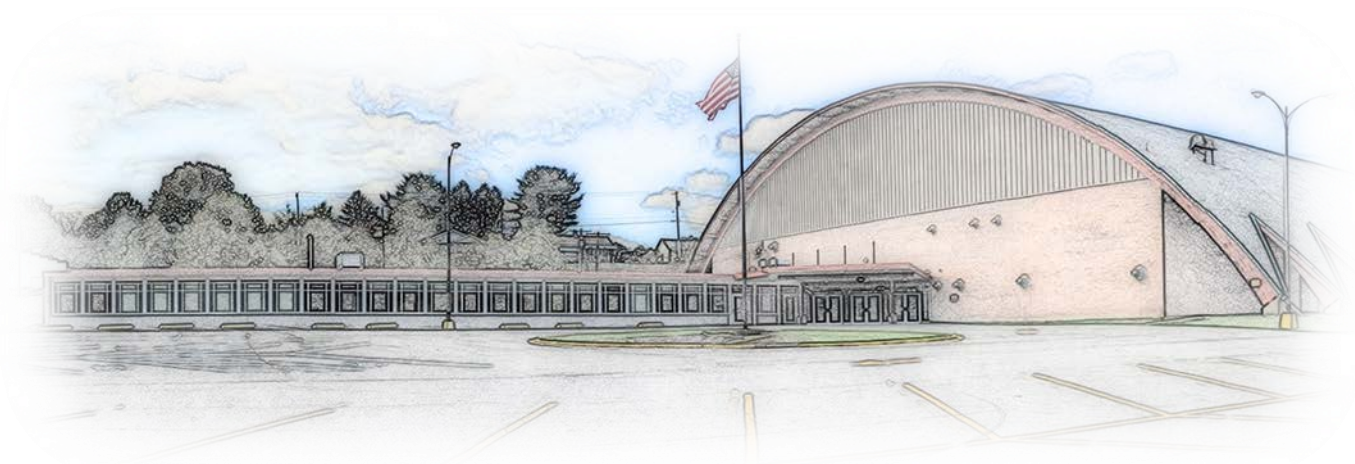


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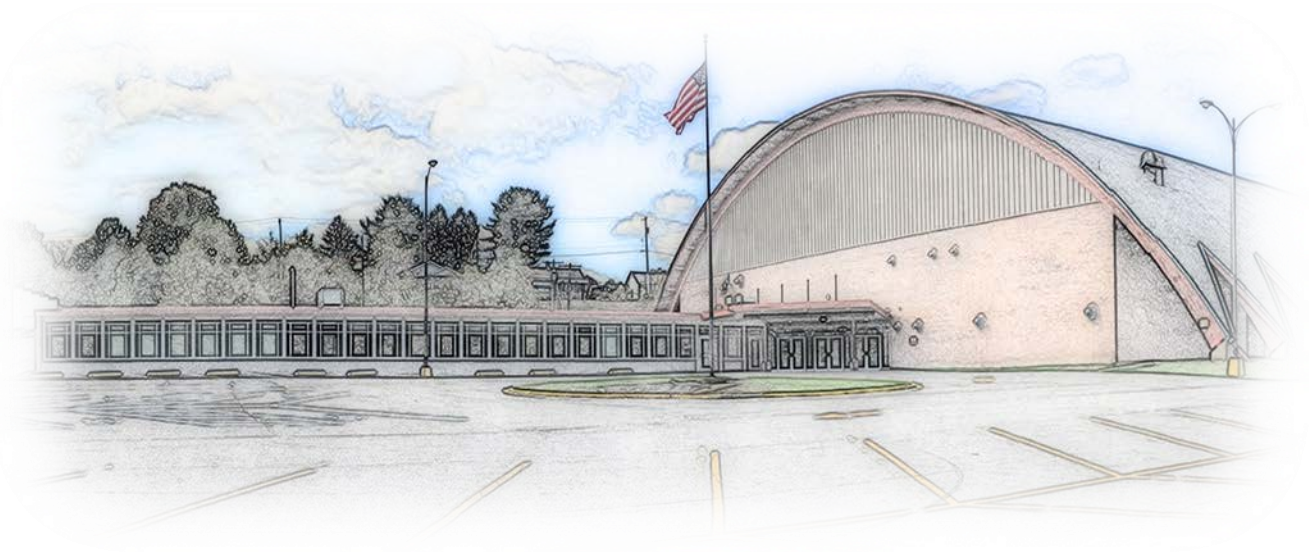


Curriculum Course Guide Grades 9 – 12 2023 -2024

The Marion County Board of Education reserves the right to edit or change any information contained in this guide.

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Important Note: The information included in the Curriculum Course Guide is as accurate as possible at the time of printing. Changes in WVDE Policy may impact on student requirements and course offerings noted in this guide. Although included in this guide, there may be classes listed that may not be taught because of limited enrollment or other restrictions.

Introduction

The *Curriculum Course Guide* has been created to help you develop your educational plan. This guide provides important program information, guidelines, and descriptions of the courses available to students in Marion County. All courses that are listed are either required by WVDE Policy 2510 or approved as electives by the Marion County Board of Education. Courses are based on the West Virginia College and Career Readiness Standards developed with the goal of preparing students with the knowledge, skills, and dispositions needed to be successful in higher education and/or training that lead to gainful employment. All West Virginia teachers are responsible for classroom instruction that fosters learning skills, technology tools, and content standards and objectives.



Special Note

Parents and students need to be aware that all courses receiving high school credit have an effect on the calculation of a student's cumulative grade point average and class rank. Grade point average is calculated according to Marion County policy. Students should consult with their chosen post-secondary education/training institution when choosing course options and electives.

Graduation Requirements

Promotion Requirements (Marion County Board of Education Policy)

Grade	Number of Credits
Grade 9 to Grade 10	5 credits
Grade 10 to Grade 11	11 credits
Grade 11 to Grade 12	17 credits
Credits required to graduate	24 credits
<p>Two of the credits each year must be in English Language Arts and Mathematics. Any student completing a Career Technical Education program at the Marion County Technical Center may be granted a waiver for two credits (not in a core subject area), lowering the credits for graduation to 22, which is the state minimum. The waiver will allow for travel time to and from the technical center.</p>	
<p>The following subjects are required for Marion County high school students entering freshmen 2019-2020 and thereafter</p>	
English Language Arts	<p>4 credits</p> <ul style="list-style-type: none"> English 9 English 10 English 11 English 12 or Transition English Language Arts for Seniors An Advanced Placement (AP®) English course or dual credit course may be substituted for any of the above courses.
Mathematics	<p>4 credits</p> <ul style="list-style-type: none"> Algebra I Geometry Algebra II, Trigonometry/Pre-calculus or Transition Mathematics for Seniors or Applied Statistic or Financial Algebra, or any other fourth course option An AP® Mathematics course or dual credit course may be substituted for an equivalent course or any fourth course option.
Science	<p>3 credits</p> <ul style="list-style-type: none"> Earth and Space Science (Grade 9) Biology or AP® Biology (Grade 10) One additional science course or AP® science course or dual credit course A fourth science is required for the Promise Scholarship and for students going to college.
Social Studies	<p>4 credits</p> <ul style="list-style-type: none"> World Studies or an AP® Social Studies course United States Studies or United State Studies-Comprehensive or AP® U.S. History Additional Social Studies course or an AP® Social Studies course or dual credit course Civics or AP® United States Government and Politics.
Physical Education	<p>1 credit</p> <ul style="list-style-type: none"> Physical Education 9-12
Health	<p>1 credit</p> <ul style="list-style-type: none"> Health 9-12
The Arts	<p>1 credit</p>
Career Concentration Courses	<p>4 credits</p>
Electives	<p>2 credits</p> <p>Undergraduate admission to some four-year college and universities includes the completion of two units of the same world language.</p>

More clarification can be found in WVBE Policy 2510 located at (<https://wvde.us>)

Marion County Graduation Policy

The requirements for graduation from high school include earning necessary units of credit in grades 9 through 12 as established in State law and West Virginia State Board of Education policy 2510. The West Virginia State Board of Education policy 2510 sets forth the specific graduation requirements for students enrolled in school year 2020-2021 and thereafter or as otherwise specified. The WVDE minimum graduation requirements for the 2023-2024 freshmen cohort class are twenty-two (22) credits. Marion County schools will require all students to complete twenty-four (24) credits for graduation. Students are required to have four credits each of English Language Arts, Social Studies and Mathematics. Therefore, it is highly recommended that one class from each individual subject area be taken each year of high school. Any student completing a Career Technical Education program through the Marion County Technical Center may be granted a waiver for two elective credits, lowering the credits required for graduation to 22, which is the state minimum. The waiver will allow for travel time to and from the Technical Center.

Experiential Learning Policy

Procedures: All students enrolled in grades 9-12 in Marion County Schools shall participate in a pre-approved, quality experiential learning activity as a requirement for graduation. The experiential learning may take place at worksites or school-sites, be paid or unpaid, or after school and may occur within the regular school calendar or during the summer. Students in grades 9-12 are encouraged to participate in experiential learning activities that promote career decision-making and exploration. All students shall develop a plan for fulfilling the experiential learning requirement. Selection of experiential learning activities and sites for the individual student shall be the collaborative responsibility of the student, parent(s), and advisor with the approval of the school facilitator. At a minimum, students shall participate in 30 hours of approved and documented experiential learning experiences. Of these required hours, no more than 10 hours can be obtained from any one activity. Students should get the activity approved by the school facilitator prior to completing it to avoid any question of it being counted for credit.

Course Rigor

Marion County students should take classes at the highest level possible in order to prepare themselves for success after graduation. Many courses are offered at different levels including regular, honors, Advanced Placement (AP) or Dual Credit. Taking rigorous courses in high school such as honors and AP is linked to success in college.

Advanced Placement

Advanced Placement (AP) Courses is a program created by the College Board which offers college-level curricula and examinations to high school students. American colleges and universities may grant placement and course credit to students who obtain high scores on the examinations. **To take the examination in order to receive college credit, students must pay a fee and earn a score of 3 or better.**

Benefits of Enrolling in AP Classes

*AP courses provide a challenging college-level curriculum and the opportunity to earn college credit in introductory college course, thus saving tuition money and/or allowing early graduation from college.

*Depending on the score a student makes and the policies of the college/university the student selects; the student may receive three or more semester hours of college credit for each test taken.

*AP courses provide students with the opportunity to work with like-minded students who share a love for learning and a willingness to apply themselves for academic growth.

*If students have multiple interests, AP credits can make it more feasible to add a minor or even a second major to the undergraduate academic plan.

*AP courses are weighted grades; therefore, having potential to boost students grade point averages.

Advanced Placement

<u>Subject Area</u>	<u>Course Title</u>	<u>Course Code</u>
ART	AP Studio Art Design	3222
BIOLOGY	AP Biology	6121
PRECALCULUS	AP Precalculus	3038
CALCULUS	AP Calculus AB	3031
CHEMISTRY	AP Chemistry AP Chemistry Lab	6321 6322
COMPUTER SCIENCE	AP Computer Science: A & AB AP Computer Science Principles	2801 2806
ENGLISH	AP English Language & Composition AP English Literature & Composition	4041 4042
ENVIRONMENTAL SCIENCE	AP Environmental Science	6221
GEOGRAPHY	AP Geography	7042
GOVERNMENT AND POLITICS	AP Government and Politics: U.S.	7044
HISTORY	AP History: U.S.	7046
MUSIC THEORY	AP Music Theory	3651
PSYCHOLOGY	AP Psychology	7047
STATISTICS	AP Statistics	3033

Dual Credit

Dual Credit Courses provide students with both high school and college credit. Each course must meet both the specific course content standards and objectives for secondary offering and the college course requirements. The dual credit course syllabus must provide 180 days of instruction, clarifying student assignments on dates when college may not be in session, and how missed days of instruction at the secondary level will be handled when the college is in session. A student must be enrolled as a part-time or full-time student in a Marion County School.

Marion County Board of Education is currently involved in joint efforts with four post-secondary institutions: West Virginia University, Marshall University, Fairmont State University, and Pierpont Community & Technical College. These institutions will offer mutually agreed-upon courses for dual credit to eligible students during the fall and spring semesters of each academic year. **Students must adhere to the prerequisites of each course and are responsible for the tuition fee per institution.**

Benefits of Enrolling in Dual Credit Classes

*Dual Credit courses provide a challenging college-level curriculum and the opportunity to earn college credit in introductory college course, thus saving tuition money and/or allowing early graduation from college.

*Depending on the grade a student earns and the policies of the college/university the student selects; the student may receive three or more semester hours of college credit for each class taken.

*Dual Credit courses provide students with the opportunity to work with like-minded students who share a love for learning and a willingness to apply themselves for academic growth.

*If students have multiple interests, Dual Credit courses can make it more feasible to add a minor or even a second major to the undergraduate academic plan.

*Dual Credit courses are weighted grades; therefore, having potential to boost students' grade point average.

West Virginia University Dual Credit Courses

<u>Course Title</u>	<u>Course</u>	<u>Course Code</u>
College Biology	101	6023
College Biology	102	6023
College Biology Lab	103	(no code)
College Biology Lab	104	(no code)

Fairmont State University Dual Credit Courses

<u>Course Title</u>	<u>Course</u>	<u>Course Code</u>
General Computer Application	BISM 1200	2846
Economics	BSBA 2200	7032
Intro to Human Communication	COMM 2200	4021
The Education Profession	EDUC 2200	1022
Written English I	ENGL 1101	4012
Written English II	ENGL 1102	4012
United States History I	HIST 1107	7009
United States History II	HIST 1108	7009
American Government	POLI 1100	_____
Introduction to Political Science	POLI 2200	7139
Introduction to Forensic Science	FORS 2201	6065
Introduction to Psychology	PSYCH 1101	7321
Introduction to Sociology	SOCY 1110	7341
Elementary Spanish	SPN 1101	5663
Elementary Spanish II	SPN 1102	5664
College Algebra	Math 1530	3051
College Trigonometry	Math 1540	7783
Introduction to Aviation	AVMA 1100	7591
Private Pilot Technology	AVMA 1101-01	7592

Pierpont Community & Technical College Dual Credit Courses

<u>Course Title</u>	<u>Course</u>	<u>Course Code</u>
Written English I	ENGL 1104	4012
Written English II	ENGL 1108	4012
Financial Literacy	FINC 2230	7950
United States History I	HST 1101	7009
United States History II	HST 1102	7009
Human Anatomy and Physiology	HLCA 1170	6103
Anatomy and Physiology Lab	HLCA 1171	6104
Technical Report Writing	ENGL 1109	4171
American Government	POL 1101	_____
Introduction to Psychology	PSYG 1101	7321
Music Appreciation	MUSC 1120	3746
Introduction to Sociology	SCY 1101	7341
Race, Class, Gender, and Sexuality	INTR 2200	7352
Empowering Leadership	INTR 2280	7651
Introduction to Aviation Maintenance	AVMT 1101	7701
Aircraft Regulations & Publications	AVMT 1102	_____
Aviation Shop Practices	AVMT 1103	7702
Aircraft Utility Systems	AVMT 1105	7703
Aviation Electronics	AVMT 1109	7786
Aircraft Power Generation/Distribution Systems	AVIO 1110	_____
Reciprocating Engine and Systems	AVMT 2201	_____
Aircraft Sheet Metal Structures	AVMT 2202	7704
Deaf Culture and Deaf Studies	AMSL 1101-VO1	_____
Deaf Culture and Deaf Studies	AMSL 1110-V01	_____

Pierpont Community & Technical College Dual Credit Courses

<u>Course Title</u>	<u>Course</u>	<u>Course Code</u>
American Sign Language I	AMSL 1111-V03	5691
American Sign Language I Lab	AMSL 1111-V04	No code
American Sign Language II	AMSL 1112-V03	5692
American Sign Language II Lab	AMSL 1112-V04	No code
American Sign Language III	AMSL 1113-V03	5693
American Sign Language III Lab	AMSL 1113-V03	No code
American Sign Language IV	AMSL 1114-V03	5694
American Sign Language IV Lab	AMSL 1114-V04	No code
American Sign Language V	ITTP 2200-V01	_____
American Sign Language VI	ITTP 2204-V01	_____

English Language Arts

COURSE TITLE:	ENGLISH LANGUAGE ARTS 9
Course Number: 4009 ENG LA 9	The English Language Arts ninth grade students continue to develop in literacy-rich environments as independent motivated readers and writers who think critically and take responsibility for their learning. They integrate and apply reading, writing, speaking, listening and the conventions of language across curriculums. They actively participate in inquiry based, student driven, engaging endeavors and collaborative learning situations to facilitate motivation and the foundation for lifelong learning.
COURSE TITLE:	ENGLISH LANGUAGE ARTS 9 HONORS
Course Number: 4009 ENG LA 9H	The English 9 Honors is for Professional Pathway students and provides comprehensive grammar, literature and writing practice. English Language Arts Honors ninth grade students continue to develop in literacy-rich environments as independent motivated readers and writers who think critically and take responsibility for their learning. They integrate and apply reading, writing, speaking, listening and the conventions of language across curriculums. They actively participate in inquiry-based, student-driven, engaging endeavors and collaborative learning situations to facilitate motivation and the foundation for lifelong learning. <i>Recommendation: Tier 1 student, Level 3 or Level 4 proficiency on the English language arts portion of the West Virginia CA-CIA Interim Winter Benchmark, On or Above Grade Level proficiency on the IXL Winter Diagnostic Assessment in conjunction with an A or B on the first semester report card grades for ELA.</i>
COURSE TITLE:	ENGLISH LANGUAGE ARTS SKILLS REINFORCEMENT
Course Number: 4127 ENG LNG R	The English Language Arts Skills Reinforcement course offers students the additional instruction and time needed to master basic English Language Arts concepts. Although the course does not count toward meeting the units of English Language Arts required for graduation, the course does count as an elective credit towards graduation. <i>Recommendation: Tier 2 or 3 student, Level 1 or Level 2 proficiency on the English language arts portion of the West Virginia CA-CIA Interim Winter Benchmark, Below Level proficiency on the IXL Winter Diagnostic Assessment in conjunction with a D or F on the first semester report card grades for ELA.</i>
COURSE TITLE:	ENGLISH LANGUAGE ARTS 10
Course Number: 4010 ENG LA 10	The English Language Arts tenth grade students become more adept at making connections and transferring knowledge to new situations through research and writing in literacy-rich environments. They continue to develop as independent, motivated readers and writers who analyze the impact of and take responsibility for their learning. They analyze, defend and support views using reading, writing, speaking, listening and the conventions of language across curriculums.
COURSE TITLE:	ENGLISH LANGUAGE ARTS 10 HONORS
Course Number: 4010 ENG LA 10H	The English 10 Honors is for Professional Pathway students and provides comprehensive grammar, literature, and writing practice. English Language Arts Honors tenth grade students become more adept at making connections and transferring knowledge to new situations through research and writing in literacy-rich environments. They continue to develop as independent, motivated readers and writers who analyze the impact of and take responsibility for their learning. They analyze, defend and support views using reading, writing, speaking, listening and the conventions of language across curriculums. <i>Recommendation: Tier 1 student, On or Above Grade Level proficiency on the IXL Winter Diagnostic Assessment in conjunction with an A or B (English 9/Honors) on the first semester report card grades for ELA.</i>
COURSE TITLE:	ENGLISH LANGUAGE ARTS 11
Course Number: 4011 ENG LA 11	The English Language Arts eleventh grade students become adept at making connections and transferring knowledge to new situations through research and writing in literacy-rich environments. They set deadlines and are independent, motivated readers and writers who analyze impact of and take responsibility for their learning. They focus on reading, writing, speaking, listening and the conventions of language across curriculums in educational endeavors and collaborative learning situations including analyzing and defending the representation of text in different artistic mediums and how authors draw on and transform source material.

COURSE TITLE:	ENGLISH LANGUAGE ARTS 11 HONORS
Course Number: 4011 ENG LA 11H	The English 11 Honors is for Professional Pathway students and provides comprehensive grammar, literature, and writing practice. English Language Arts honors eleventh grade students become adept at making connections and transferring knowledge to new situations through research and writing in literacy-rich environments. They set deadlines and are independent, motivated readers and writers who analyze the impact of and take responsibility for their learning. They focus on reading, writing, speaking, listening and the conventions of language across curriculums in educational endeavors and collaborative learning situations including analyzing and defending the representation of text in different artistic mediums and how authors draw on and transform source material. <i>Recommendation: Tier 1 student, On or Above Grade Level proficiency on the IXL Winter Diagnostic Assessment in conjunction with an A or B (English 10/Honors) on the first semester report card grades for ELA.</i>
COURSE TITLE:	ENGLISH LANGUAGE ARTS 12
Course Number: 4012 ENG LA 12	The English Language Arts twelfth grade students are College and Career Ready. They make connections, transfer knowledge to new situations through research and writing, and understand the value of literacy-rich environments. They set clear goals, deadlines and individual roles to promote civil, democratic discussions that probe reasoning, evidence and divergent and creative thinking. They use research to make informed decisions and solve problems independently.
COURSE TITLE:	TRANSITION ENGLISH LANGUAGE ARTS FOR SENIORS
Course Number: 4013 TRNS E/LA SR	The English 12 Transition is a senior English course that can be taken in place of English 12 and may be counted as one of the four English academic core unit requirements used to meet the English requirement for baccalaureate college admission. It is not offered in addition to English 12 but should replace English 12 for identified students. This course focuses on the Southern Regional Education Board's (SREB) Readiness Courses Transitioning to college and careers: Literacy Ready curriculum, which focuses on an increased emphasis of disciplinary literacy. Students enrolled must retake the WVGSA at the end of the second semester. <i>Recommendation: For students who scored below proficiency on the SAT.</i>
COURSE TITLE:	ENGLISH 12 COLLEGE/CAREER READY
Course Number: 4014 ENG 12 CR	The English 12 College or Career Ready is a rigorous course designed to increase the number of students who are College and/or Career Ready upon graduation from high school. Student placement in the course must be based upon the criteria set forth in the placement guidance document provided to counselors and administrators. This course serves as an English 12 credit and deems students eligible for graduation and the Promise Scholarship. <i>Recommendation: Seniors meeting at least one criterion from each category of the English 12 CR Student Selection Guide.</i>
COURSE TITLE:	CREATIVE WRITING, I (SEMESTER)
Course Number: 4022 CRTV WRIT I	The Creative Writing I course emphasizes prose and poetic forms of writing that express the writer's thoughts and feelings. Metaphorical language and relational thought are evident in the writing. Writings are based more on fiction than factual and logical progression of ideas.
COURSE TITLE:	CREATIVE WRITING II (SEMESTER)
Course Number: 4023 CRTV WRIT II	The Creative Writing II course continues to emphasize prose and poetic forms of writing that express the writer's thoughts and feelings. Metaphorical language and relational thought are evident in the writing. Writings are based more on fiction than factual and logical progression of ideas.
COURSE TITLE:	ENGLISH LANGUAGE ARTS SKILLS REINFORCEMENT
Course Number: 4127 ENG LNG R	The English Language Arts Skills Reinforcement course is for students who are transitioning out of a specific program. It covers basic grammar and literature principles, which the student needs before entering regular English classes.
COURSE TITLE:	LITERATURE (SEMESTER)
Course Number: 4136 LITERATURE	The Literature course offers the opportunity for students to study and reflect upon the themes presented in the body of literature being presented. Students improve their critical thinking skills as they determine the underlying assumptions and values within the reading selections, and as they understand how the work reflects society's problems and culture. Oral discussion is an integral part of literature courses and written compositions are sometimes required, often with an emphasis toward college preparation. Literature courses may survey representative works, reflect a particular genre or a specific theme, or survey works of a particular time or people.

COURSE TITLE:	ENGLISH LANGUAGE & COMPOSITION ADVANCED PLACEMENT
Course Number: 4041 AP ENG LANG	The AP English Language and Composition course is designed to provide students with a learning experience equivalent to that of an introductory college course in English composition. The course is designed to engage students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Per the approved state waiver, this course may be taken in lieu of English 11-12. Students must be enrolled in an AP course for both semesters (entire school year) to receive the weighted grade.
COURSE TITLE:	ENGLISH LITERATURE & COMPOSITION ADVANCED PLACEMENT
Course Number: 4042 AP ENG LIT	The AP English Literature and Composition course is designed to provide students with a learning experience equivalent to that of an introductory college course in English literature. The course is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Per the approved state waiver, this course may be taken in lieu of English 11-12. Students must be enrolled in an AP course for both semesters (entire school year) to receive the weighted grade.
COURSE TITLE:	WRITTEN ENGLISH I - 1104
Course Number: 4108 CMPSTNUP1104	The English 1104 is a dual credit class which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. English 1104 offers a process-oriented practice in drafting, revising, and editing texts. Students learn the principles of expository writing, thesis formulation, organization, paragraph development, audience analysis, appropriate diction, and sentence structure. The course also includes an introduction to reading for content in texts selected from across the disciplines. NOTE: English 1104 is a prerequisite for enrollment in all other Pierpont Community & Technical College English courses. Students must earn at least a C to receive college credit. Course content combines the English 12 Standards and Pierpont Community & Technical College Writing II requirements. Successful completion of both Written English 1104 and Written English 1108 will satisfy the credit for English 12. <i>Prerequisite: Students must have a minimum score of 18 on the ACT, 480 on the Evidence Based Reading and Writing portion of the redesigned SAT, 71 on the Compass test, a scaled score of 38 on the Writing Skills of ASSET, a scaled score of 88 on Sentence skill of ACCUPLACER, or an achievement level score of Level 3 on the English Language Arts portion of the statewide eleventh grade student assessment, the West Virginia General Summative Assessment, or successful completion of an appropriate basic writing class.</i>
COURSE TITLE:	WRITTEN ENGLISH II - 1108
Course Number: 4114 CMPSTNUP1108	The English 1108 is a dual credit class which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. This course is a continuation of Written English 1104 that provides experience analyzing and writing argument and persuasive prose. A central feature of the course is a library research project that is intended to develop familiarity with reference sources and skill in summarizing the diverse points of view of multiple sources. Students must earn at least a C to receive college credit. Successful completion of both Written English 1104 and Written English 1108 will satisfy the credit for English 12. <i>Prerequisite: Students having a C or above in English 1104.</i>
COURSE TITLE:	TECHNICAL REPORT WRITING
Course Number: 4171 TECH WRITING	The Technical Report Writing is a dual credit class which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. This course provides a practice in writing expository documents and technical reports. In addition to scientific/technical reports and proposals, students also write business letters, memoranda, and other types of written communication common to the industrial and business worlds. Students must earn at least a C to receive college credit and elective credit at the high school level. <i>Prerequisite: Students having a C or above in English 1104.</i>
COURSE TITLE:	WRITTEN ENGLISH I - 1101
Course Number: 4108 CMPSTNUP1104	The English 1101 is a dual credit class which requires a Fairmont State University tuition fee for three hours of college credit. English 1101 offers a process-oriented practice in drafting, revising, and editing texts. Students learn the principles of expository writing, thesis formulation, organization, paragraph development, audience analysis, appropriate diction, and sentence structure. The course also includes an introduction to reading for content in texts selected from across the disciplines. Successful completion of both Written English 1101 and Written English 1102 will satisfy the credit for English 12. <i>Prerequisite: Students must have a minimum score of 18 on the English section of the ACT, 450 in Critical Reading on the SAT-1, or 71 on the writing skills test of COMPASS, or the equivalent</i>

	<i>will be required to take an additional credit hour of supplemental instruction in English 1101, which will reinforce the skills necessary to generate college level essays. A "C" in English 1101 is a graduation requirement for all Fairmont State University degrees.</i>
COURSE TITLE:	WRITTEN ENGLISH II - 1102
Course Number: 4114 CMPSTNUP1108	The English 1102 is a dual credit class which requires a Fairmont State University tuition fee for three hours of college credit. This course is a continuation of Written English I -1101 that provides experience analyzing and writing argument and persuasive prose. A central feature of the course is a library research project that is intended to develop familiarity with reference sources and skill in summarizing the diverse points of view of multiple sources. <i>Prerequisite: Students having a C or above in English 1101. A "C" IN English 1102 or English 1103, as determined by the academic department, is a graduation requirement for all Fairmont State University degrees.</i>
COURSE TITLE:	ENGLISH LANGUAGE ARTS 9 - ALTERNATE STANDARDS
Course Number: 7925 LANGAR9 ALST	The West Virginia alternate academic achievement standards for ELA are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. In grade 9, students should have numerous opportunities to engage with complex texts appropriate for addressing the expectations of the alternate academic achievement standards for ninth grade.
COURSE TITLE:	ENGLISH LANGUAGE ARTS 10 - ALTERNATE STANDARDS
Course Number: 7926 LANGAR10 ALST	West Virginia alternate academic achievement standards for ELA are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. In grade 10, students should have numerous opportunities to engage with complex texts appropriate for addressing the expectations of the alternate academic achievement standards for tenth grade.
COURSE TITLE:	ENGLISH LANGUAGE ARTS 11 - ALTERNATE STANDARDS
Course Number: 7927 LANGAR11 ALST	The West Virginia alternate academic achievement standards for ELA are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. In grade 11, students should have numerous opportunities to engage with complex texts appropriate for addressing the expectations of the alternate academic achievement standards for eleventh grade.
COURSE TITLE:	ENGLISH LANGUAGE ARTS 12 - ALTERNATE STANDARDS
Course Number: 7928 LANGAR12 ALST	The West Virginia alternate academic achievement standards for ELA are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. In grade 12, students should have numerous opportunities to engage with complex texts appropriate for addressing the expectations of the alternate academic achievement standards for twelfth grade. By the end of the programmatic level (grade 12) and over the course of the entire instructional day, the distribution of text types should shift to 30% literary and 70% informational, and writing types should shift to 40% argumentative, 40% informative, and 20% narrative.

Journalism

COURSE TITLE:	JOURNALISM I
Course Number: 4051 JRNLSM	The Journalism I course introduces the basics of various journalistic writing styles. Students will learn how to write for and produce student publications such as the yearbook and various media platforms in this year long course. Journalism I is required for students wishing to advance to newspaper or yearbook. An A-B grade average is required in this course to serve on a publication staff.
COURSE TITLE:	SCHOOL NEWSPAPER
Course Number: 4066 SCH NWSPAPR	The School Newspaper course will allow students the opportunity to interview, write, design, and distribute the school newspaper monthly. Additionally, students will prepare stories for the internal and external news publications. <i>Grades 10-12: Recommendation: Journalism I with at least a B average and instructor's consent.</i>
COURSE TITLE:	SCHOOL YEARBOOK
Course Number: 4071 SCH YRBOOK	The School Yearbook course will allow students the opportunity to interview, write, photograph and design the yearbook. Students will coordinate all fund-raising and sell business ads to pay for the student-produced publication. This is a year-long course. <i>Grades 10-12: Recommendation: Journalism I or Photo Journalism with at least a B average and instructor's consent</i>
COURSE TITLE:	SCHOOL YEARBOOK II
Course Number: 4072 SCH YRBOOK II	The School Yearbook II students will continue to interview, write, photograph, and design the yearbook. Students will coordinate all fund-raising and sell business ads to pay for the student-produced publication. This is a year-long course. <i>Grades 10-12: Recommendation: Yearbook I with at least a B average and instructor's consent.</i>
COURSE TITLE:	SCHOOL YEARBOOK III
Course Number: 4073 SCH YRBOOK III	The School Yearbook III students will continue to interview, write, photograph, and design the yearbook. Students will coordinate all fund-raising and sell business ads to pay for the student-produced publication. This is a year-long course. <i>Grades 10-12: Recommendation: Yearbook I and II with at least a B average and instructor's consent.</i>
COURSE TITLE:	SCHOOL YEARBOOK IV
Course Number: 4074 SCH YRBOOK IV	The School Yearbook IV students will continue to interview, write, photograph, and design the yearbook during the second semester. Students will coordinate all fund-raising and sell business ads to pay for the student-produced publication. This is a year-long course. <i>Recommendation: Yearbook I, II, and III with at least a B average and instructor's consent.</i>
COURSE TITLE:	JOURNALISM – PHOTOGRAPHIC
Course Number: 4056 JRNLSM PHOTO	The Journalism-Photographic students will learn the content and design of photography as it relates to page layout and journalistic publications. Schools may require a \$20 lab fee.

Speech

COURSE TITLE:	SPEECH/ORAL COMMUNICATION (SEMESTER)
Course Number: 4076 SPCH ORL COM	The Speech/Oral Communication is designed to enhance the student's ability to present information in front of a group.
COURSE TITLE:	PUBLIC SPEAKING
Course Number: 4164 PUBLIC SPEAK	The Public Speaking course is fundamental to all other learning. By actively participating in a variety of speaking activities, students will gain confidence and skills to deal with communication apprehensions. Effective oral communication provides readiness in the workplace and/or post-secondary education. This course may be taken for one or two semesters.

COURSE TITLE:	INTRODUCTION TO HUMAN COMMUNICATION COMM 2200/ADVANCED COMMUNICATION
Course Number: 4021 ADV COMMUN	The Introduction to Human Communication is a dual credit class which requires a Fairmont State University tuition fee for three hours of college credit. This course examines the theoretical foundations of human communication through definitional analysis and examination of communication models, code elements and ethical considerations pertinent to communication in our society. This course provides the opportunity for each student to participate in interpersonal and public speaking presentations to develop his/her skills in interacting with others in both the personal and professional arenas. <i>Prerequisites: Completion of ENGL1101 with a "C" or better or a Verbal ACT score of 21 or higher. Satisfies General Studies category ID, IG, and IV requirement.</i>

Mathematics

COURSE TITLE:	CCR ALGEBRA I
Course Number: 3061 CCR ALG I	The CCR Algebra I course will focus on five critical units that deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. Mathematical habits of mind, which should be integrated in these content areas, include making sense of problems and persevering in solving them, reasoning abstractly and quantitatively, constructing viable arguments and critiquing the reasoning of others; modeling with mathematics; using appropriate tools strategically; attending to precision, looking for and making use of structure; and looking for and expressing regularity in repeated reasoning.
COURSE TITLE:	CCR ALGEBRA I HONORS
Course Number: 3061 CCR ALGIH	The CCR Algebra I Honors course is for students who have demonstrated a high level of understanding of mathematical content. Algebra I Honors provides a deeper and extended study of the Algebra I standards and objectives with a focus on science, technology, and engineering. <i>Recommendation: Tier 1 student, Level 3 or Level 4 proficiency on the mathematics portion of the West Virginia CA-CIA Interim Winter Benchmark, On or Above Grade Level proficiency on the IXL Winter Diagnostic Assessment in conjunction with an A or B on the first semester report card grades for math.</i>
COURSE TITLE:	CCR ALGEBRA I SUPPORT
Course Number: 3060 CCR ALG SUP	The CCR Algebra Support course offers students the additional instruction and time needed to master basic concepts. CCR Algebra Support counts as one unit of math credit toward meeting the graduation requirements. This course must be taken concurrently with CCR Algebra I. <i>Recommendation: Tier 2 or 3 student, Level 1 or Level 2 proficiency on the mathematics portion of the West Virginia CA-CIA Interim Winter Benchmark, Below Level proficiency on the IXL Winter Diagnostic Assessment in conjunction with a D or F on the first semester report card grades for math.</i>
COURSE TITLE:	CCR GEOMETRY
Course Number: 3062 CCR GEOMETRY	The CCR Geometry course will explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between this Geometry course and the historical approach taken in Geometry classes. Mathematical habits of mind, which should be integrated in these content areas, include making sense of problems and persevering in solving them, reasoning abstractly and quantitatively; constructing viable arguments and critiquing the reasoning of others; modeling with mathematics; using appropriate tools strategically; attending to precision, looking for and making use of structure; and looking for and expressing regularity in repeated reasoning.

COURSE TITLE:	CCR GEOMETRY HONORS
Course Number: 3062 CCR GEOMETRYH	The CCR Geometry Honors course is for students who have demonstrated a high level of understanding of mathematical content, Geometry Honors provides a deeper and extended study of the geometry standards and objectives with a focus on science, technology, and engineering. Students who enroll in Geometry Honors must intend to complete Calculus in their senior year. <i>Recommendation: Tier 1 student, On or Above Grade Level proficiency on the IXL Winter Diagnostic Assessment in conjunction with an A or B (Algebra I) on the first semester report card grades for math.</i>
COURSE TITLE:	CCR ALGEBRA II
Course Number: 3063 CCR ALG II	The CCR Algebra II course will build on their work with linear, quadratic, and exponential functions and extend their repertoire of functions to include polynomial, rational, and radical functions. (In this course rational functions are limited to those whose numerators are of degree at most 1 and denominators of degree at most 2; radical functions are limited to square roots or cube roots of at most quadratic polynomials.) Students will work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Students will continue developing mathematical proficiency in a developmentally appropriate progression of standards. Mathematical habits of mind, which should be integrated in these content areas, include making sense of problems and persevering in solving them, reasoning abstractly and quantitatively; constructing viable arguments and critiquing the reasoning of others; modeling with mathematics; using appropriate tools strategically; attending to precision, looking for and making use of structure; and looking for and expressing regularity in repeated reasoning.
COURSE TITLE:	CCR ALGEBRA II HONORS
Course Number: 3063 CCR ALG IIIH	The CCR Algebra II course is for students who have demonstrated a high level of understanding of mathematical content, Algebra II Honors provides a deeper and extended study of the Algebra II standards and objectives with a focus on science, technology, and engineering. Students who enroll in Algebra II Honors will take upper-level math classes following Algebra II Honors. <i>Recommendation: Tier 1 student, On or Above Grade Level proficiency on the IXL Winter Diagnostic Assessment in conjunction with an A or B (Algebra I and Geometry) on the first semester report card grades for math.</i>
COURSE TITLE:	APPLIED STATISTICS
Course Number: 3028 APPLIED STATS	The Applied Statistics course is designed for students who have successfully addressed the mathematics content of the West Virginia College-and Career-Readiness Standards for Mathematics for the two prescribed courses of Algebra I and Geometry. The course is designed with a two-fold purpose – to provide engaging everyday experiences in statistical reasoning and to support students in preparation for the SAT School Day. The Applied Statistics course provides experiences in statistics designed to strengthen students' understanding of the statistical method of inquiry and statistical simulations. Students formulate statistical questions to be answered using data, design and implement a plan to collect the appropriate data, select appropriate graphical and numerical methods for data analysis, and interpret their results to make connections with the initial question. Students use multiple representations, technology, applications, and modeling in problem-solving contexts.
COURSE TITLE:	CCR TRIGONOMETRY/PRE-CALCULUS
Course Number: 3064 CCR TRIG/PRECAL	The Trigonometry/Pre-Calculus course will generalize an abstract learning accumulated through previous courses as the final springboard to calculus. Students will take an extensive look at the relationships among complex numbers, vectors, and matrices. They will build on their understanding of functions, analyze rational functions using an intuitive approach to limits and synthesize functions by considering compositions and inverses. Students will expand their work with trigonometric functions and their inverses and complete the study of the conic sections begun in previous courses. They will enhance their understanding of probability by considering probability distributions and have previous experiences with series augmented. Students will continue developing mathematical proficiency in a developmentally appropriate progressions of standards. Mathematical habits of mind, which should be integrated in these content areas, include making sense of problems and persevering in solving them, reasoning abstractly and quantitatively; constructing viable arguments and critiquing the reasoning of others; modeling

	with mathematics; using appropriate tools strategically; attending to precision, looking for and making use of structure; and looking for and expressing regularity in repeated reasoning. <i>Recommendation: Successful completion of Algebra II.</i>
COURSE TITLE:	CCR TRIGONOMETRY/PRE-CALCULUS HONORS
Course Number: 3064_H CCR TRIG/PRECALH	The Trigonometry/Pre-Calculus Honors course is for students who have demonstrated a high level of understanding of mathematical content. Trigonometry/Pre-Calculus Honors provides a deeper and extended study of Trigonometry/Pre-Calculus standards and objectives with a focus on science, technology, and engineering. Students who enroll in Trigonometry/Pre-Calculus Honors must intend to complete AP Calculus in their senior year. <i>Recommendation: Tier 1 student, On or Above Grade Level proficiency on the IXL Winter Diagnostic Assessment in conjunction with an A or B (Algebra I, Geometry, and Algebra II) on the first semester report card grades for math.</i>
COURSE TITLE:	TRANSITION MATH FOR SENIORS
Course Number: 3052 TRANS MATH SR	The Transitional Math for Seniors course prepares students for their entry-level credit-bearing liberal studies mathematics course at the post-secondary level. This course will solidify their quantitative literacy by enhancing numeracy and problem-solving skills. Students will investigate and use the fundamental concepts of algebra, geometry, and data and statistics. The CCR Standards which comprise this course are selected from Algebra I, Geometry and Algebra II. Student enrolled must retake the WVGSAT at the end of the second semester. <i>Recommendation: For students who scored below proficiency on the SAT.</i>
COURSE TITLE:	FINANCIAL ALGEBRA
Course Number: 3027 FINANCAL ALG	Financial Algebra/mathematics course requires students to communicate effectively, using accurate mathematical language in a financial context. Students will interpret and analyze various functions, graphs, and data in order to make responsible and wise financial decisions in the context of their personal lives regarding banking services, automobile purchases and maintenance decisions, income tax and employee benefits, and business decisions. This class fulfills the requirements of a junior or senior. Students attending certain post-secondary institutions should check to see if that school requires Algebra II for admission.
COURSE TITLE:	COMPUTER SCIENCE AND MATHEMATICS
Course Number: 3161 COM SCI MTH	The Computer Science and Mathematics course is an introduction to programming course and is designed to provide students with the opportunity to explore the uses of mathematics and computer programming as tools in creating effective solutions to complex problems. Students will develop and refine fundamental skills of computer science within a mathematical context. Throughout the course, students will use developmentally appropriate and accurate terminology when communicating about technology. Teachers will include experience with the eight Standards for Mathematical Practice. <i>Computer Science & Mathematics may be counted as a fourth math elective credit course if taught by a certified 9-12 math teacher.</i> <i>Recommendation: Successful completion of Algebra II/Geometry before starting this course.</i>
COURSE TITLE:	AP COMPUTER SCIENCE: A
Course Number: 2801 AP COM SCI A	The Advanced Placement Computer Science A course emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development and is meant to be the equivalent of a first-semester course in computer science. It also includes the study of data structures and abstraction. The programming language that is utilized is Java. <i>Recommendation: Successful completion of Algebra II or an equivalent course.</i>
COURSE TITLE:	PRECALCULUS ADVANCED PLACEMENT
Course Number: 3038 AP PRECAL	The Advanced Placement Precalculus course allows students to study a broad spectrum of function types. The formal study of a function type through multiple representations, coupled with the application of the function type to a variety of contexts. Deep development of key function concept applicable across function types. <i>Recommendation: Students should have completed Algebra II or an equivalent course.</i>
COURSE TITLE:	CALCULUS (AB) ADVANCED PLACEMENT
Course Number: 3031 AP CALC AB	The Advanced Placement Calculus AB course is an advanced course in elementary functions and calculus. The major topics include differential and integral calculus. Calculus AB represents higher mathematics for which most colleges grant Advanced Placement credit with a successful score on the AP Calculus exam. It is strongly recommended that students have successfully

	<p>completed Trigonometry before enrolling in Calculus. Students must be enrolled in an AP course for both semesters (entire school year) to receive the weighted grade.</p> <p><i>Recommendation: Successful completion of Pre-Calculus/College Algebra and teacher recommendation.</i></p>
COURSE TITLE:	STATISTICS ADVANCED PLACEMENT
<p>Course Number: 3033 AP STATS</p>	<p>The Advanced Placement Statistics course is equal to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students must be enrolled in an AP course for both semesters (entire school year) in order to receive the weighted grade.</p> <p><i>Recommendation: Must have successful completion of Algebra I, Geometry and teacher recommendation.</i></p>
COURSE TITLE:	COLLEGE ALGEBRA MATH 1530 (FALL SEMESTER)/ ALGEBRA III
<p>Course Number: 3051 COLL ALGEBRA</p>	<p>The College Algebra course is a dual credit class which requires a Fairmont State University tuition fee for three hours of college credit. Students receive one-half unit of high school math credit and three hours of College Algebra credit (Math) from Fairmont State University. Grade will transfer to most colleges or universities. The class is a one semester course. Successful completion of both College Algebra Math 1530 and College Trigonometry Math 1540 will satisfy the credit for the fourth year of math.</p> <p><i>Prerequisite: Successful completion of Algebra I, Geometry, Algebra II and meets college requirements.</i></p>
COURSE TITLE:	COLLEGE TRIGONOMETRY MATH 1540 (SPRING SEMESTER)/TRIGONOMETRY
<p>Course Number: 7783 COLL TRIG</p>	<p>The College Trigonometry course is a dual credit class which requires a Fairmont State University tuition fee for three hours of college credit. College Trigonometry takes an algebraic, graphic and numeric approach to the study of functions and right-angle trigonometry. The course includes applications and graphing of trig functions, polar coordinates, complex numbers and vectors. Activities that emphasize problem solving, writing, and student cooperation are integral parts of the class as well as interactive laboratories using technology. Successful completion of both College Algebra Math 1530 and College Trigonometry Math 1540 will satisfy the credit for the fourth year of math.</p> <p><i>Prerequisite: "C" or better in Dual Cred Math 1530 or appropriate placement test score as found in the Fairmont State University catalog.</i></p>
COURSE TITLE:	ALGEBRA I – ALTERNATE STANDARDS
<p>Course Number: 7932 ALG I ALTSTR</p>	<p>The West Virginia Alternate Academic Achievement Standards for Mathematics are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. Mathematical habits of mind, which should be integrated in these content areas, include making sense of problems and persevering in solving them, reasoning abstractly and quantitatively; constructing viable arguments and critiquing the reasoning of others; modeling with mathematics; using appropriate tools strategically; attending to precision, looking for and making use of structure; and looking for and expressing regularity in repeated reasoning.</p>
COURSE TITLE:	GEOMETRY – ALTERNATE STANDARDS
<p>Course Number: 7933 GEO ALTSTR</p>	<p>The West Virginia Alternate Academic Achievement Standards for Mathematics are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. Students in Geometry focus on Constructions, Similarities, Modeling with Geometry, Extending to Three Dimensions, and Applications of Probability.</p>
COURSE TITLE:	ALGEBRA II – ALTERNATE STANDARDS
<p>Course Number: 7934 ALG II ALT STR</p>	<p>The West Virginia Alternate Academic Achievement Standards for Mathematics are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. Students in Mathematics III apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to</p>

	include polynomial, rational and radical functions. They expand their study of right triangle trigonometry to include general triangles. Finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems.
COURSE TITLE:	TRANSITION MATH FOR SENIORS – ALTERNATE STANDARDS
Course Number: 7935 TRANS MH ALT	The West Virginia Alternate Academic Achievement Standards for Mathematics are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. This course will solidify their quantitative literacy by enhancing numeracy and problem-solving skills. Students will investigate and use the fundamental concepts of algebra, geometry, and data and statistics.

Science

COURSE TITLE:	EARTH AND SPACE SCIENCE – GRADE 9
Course Number: 6201 EARTH SC	The ninth grade Earth and Space Science (ESS) course builds upon science concepts from middle school by revealing the complexity of Earth's interacting systems, evaluating and using current data to explain Earth's place in the universe and enabling students to relate Earth Science to many aspects of human society. Disciplinary core ideas, science and engineering practices, and crosscutting concepts are intertwined as students focus on five ESS content topics: Space Systems, History of Earth, Earth's Systems, Weather and Climate, and Human Sustainability. Engineering, Technology, and the Application of Science objectives are integrated throughout instruction as students define problems and design solutions related to the course objectives. Safety instruction is integrated in all activities, and students will implement safe procedures and practices when manipulating equipment, materials, organisms, and models.
COURSE TITLE:	EARTH AND SPACE SCIENCE HONORS – GRADE 9
Course Number: 6201 EARTH SC	The ninth grade Earth and Space Science (ESS) Honors course builds upon science concepts from middle school by revealing the complexity of Earth's interacting systems, evaluating and using current data to explain Earth's place in the universe and enabling students to relate Earth Science to many aspects of human society. Advanced disciplinary core ideas, science and engineering practices, and crosscutting concepts are intertwined as students focus on five ESS content topics: Space Systems, History of Earth, Earth's Systems, Weather and Climate, and Human Sustainability. The objectives strongly reflect the many societally relevant aspects of ESS (resources, hazards, environmental impacts) with an emphasis on using engineering and technology concepts to design solutions to challenges facing human society. Engineering, Technology, and the Application of Science objectives are integrated throughout instruction as students define problems and design solutions related to the course objectives. There is a focus on several scientific practices which include developing and using models, planning, and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, constructing explanations and designing solutions. Earth Science Honors students will engage in active inquiries, investigations, and hands-on activities as they develop and demonstrate conceptual understandings and research and laboratory skills described in the objectives. Safety instruction is integrated in all activities, and students will implement safe procedures and practices when manipulating equipment, materials, organisms, and models. All West Virginia teachers are responsible for classroom instruction that integrates content literacy and 21st Century Learning Skills and Technology Tools. <i>Recommendation: Tier 1 student and an A or B on the first semester report card grades for science.</i>
COURSE TITLE:	BIOLOGY – GRADE 10
Course Number:	The tenth grade Biology content provides more in-depth studies of the living world and enables students to make sense of emerging research findings and apply those

6021 BIOLOGY	understandings to solving problems. Disciplinary core ideas, science and engineering practices, and crosscutting concepts are intertwined as students focus on five life science topics: Structure and Function, Inheritance and Variation of Traits, Matter and Energy in Organisms and Ecosystems, Interdependent Relationships in Ecosystems, and Natural Selection and Evolution. Engineering, Technology, and the Application of Science objectives are integrated throughout instruction as students define problems and design solutions related to the course objectives. Safety instruction is integrated in all activities, and students will implement safe procedures and practices when manipulating equipment, materials, organisms, and models.
COURSE TITLE:	BIOLOGY HONORS – GRADE 10
Course Number: 6021 BIOLOGYH	The tenth grade Honors Biology content provides more in-depth studies of the living world and enables students to make sense of emerging research findings and apply those understandings to solving problems. Disciplinary core ideas, science and engineering practices, and crosscutting concepts are intertwined as students focus on five life science topics: Structure and Function, Inheritance and Variation of Traits, Matter and Energy in Organisms and Ecosystems, Interdependent Relationships in Ecosystems, and Natural Selection and Evolution. Engineering, Technology, and the Application of Science objectives are integrated throughout instruction as students define problems and design solutions related to the course objectives. There is a focus on several scientific practices which include developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, constructing explanations and designing solutions. Students will engage in active inquiries, investigations, and hands-on activities as they develop and demonstrate conceptual understandings and research and laboratory skills described in the objectives. Safety instruction is integrated in all activities, and students will implement safe procedures and practices when manipulating equipment, materials, organisms, and models. <i>Recommendation: Tier 1 student and an A or B on the first semester report card grades for science.</i>
COURSE TITLE:	PHYSICAL SCIENCE – GRADE 11 (Recommended third course option)
Course Number: 6011 PHYSSCI	The Physical Science course develops understandings of the core concepts from chemistry and physics: Structure and Properties of Matter; Chemical Reactions; Forces and Interactions; Energy; and Waves and Electromagnetic Radiation. The objectives in Physical Science allow high school students to explain more in-depth phenomena central not only to the physical sciences, but to life and earth and space sciences, as well. These objectives blend the core ideas with scientific and engineering practices and crosscutting concepts to support students in developing useable knowledge to explain ideas across the science disciplines. Safety instruction is integrated in all activities, and students will implement safe procedures and practices when manipulating equipment, materials, organisms, and models.
COURSE TITLE:	CHEMISTRY I– GRADE 11/12 (Recommended third course STEM option)
Course Number: 6031 CHEMISTRY	The Chemistry course is designed for students pursuing Science Technology Engineering Mathematics (STEM) education and careers. Students will develop a deeper understanding of the core concepts of: Structure and Properties of Matter and Chemical Reactions as they prepare for college chemistry requiring a strong mathematical foundation. The chemistry course prepares high school students to explain more in-depth phenomena central not only to the physical sciences, but to life and earth and space sciences as well. Safety instruction is integrated in all activities, and students will implement safe procedures and practices when manipulating equipment, materials, organisms, and models. <i>Recommendation: A or B in Algebra I and Geometry.</i>
COURSE TITLE:	CHEMISTRY II– GRADE 12 (Recommended fourth course STEM option)
Course Number: 6033 CHEMISTRY II	Chemistry II is an advanced level course that is an elective designed for students who have completed Chemistry and desire a broader, in-depth study of the content found in the science field of chemistry. Chemistry is the study of matter, its composition and its changes. This course is designed to prepare students to be critical and independent thinkers who are able to function effectively in a scientific and technological society, and to build upon and extend the chemistry concepts, skills and knowledge from the previous chemistry class. This course is designed not only to prepare a student for college chemistry but to make the college chemistry experience much easier as the student will have already studied much of the material reserved for college chemistry at the high school level. Students will engage in active inquiries, investigations and hands-on activities for a minimum of 50% of the instructional time to develop conceptual understanding and research/laboratory skills as they evaluate the academic requirements and prepare for occupational opportunities in biology,

	<p>chemistry, engineering, and technology. Safety instruction is integrated into all activities. The West Virginia Standards for 21st Century Learning include the following components: 21st Century Content Standards and Objectives and 21st Century Learning Skills and Technology Tools. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and content standards and objectives.</p> <p><i>Recommendations: Successful completion of Chemistry I prior to this course.</i></p>
COURSE TITLE:	PHYSICS GRADE 12 (Recommended fourth course STEM option)
<p>Course Number:</p> <p>6041 PHYSICS</p>	<p>The Physics course is a course designed for students pursuing Science Technology Engineering Mathematics (STEM) education and careers. The course emphasizes a mathematical approach to the topics of Forces and Interactions; Energy, and Waves and Electromagnetic Radiation and prepares students for college physics. The physics course prepares high school students to explain more in-depth phenomena central not only to the physical sciences, but to life and earth and space sciences, as well. These objectives blend the core ideas with scientific and engineering practices and crosscutting concepts to support students in developing useable knowledge to explain ideas across the science disciplines. Safety instruction is integrated in all activities, and students will implement safe procedures and practices when manipulating equipment, materials, organisms, and models.</p> <p><i>Recommendation: A or B in Algebra I and Geometry.</i></p>
COURSE TITLE:	HUMAN ANATOMY AND PHYSIOLOGY
<p>Course Number:</p> <p>6103 HMN ANAT</p>	<p>The Human Anatomy and Physiology course is a high school elective designed for those students wanting a deeper understanding of the structures and functions of the human body. Instruction will be at both micro and macro levels reviewing cellular functions, biochemical processes, tissue interactions, organ systems and the interaction of those systems as it relates to the human organism. Systems covered include integumentary, skeletal, muscular, respiratory, circulatory, digestive, excretory, reproductive immunological, nervous and endocrine. Content standards are integrated with Engineering, Technology, and the Application of Science objectives as students develop conceptual understandings and research and laboratory skills, evaluate the academic requirements, and prepare for occupational opportunities in health and medical fields. Safety instruction is integrated in all activities, and students will implement safe procedures and practices when manipulating equipment, materials, organisms, and models.</p>
COURSE TITLE:	ENVIRONMENTAL SCIENCE – GRADE 11/12
<p>Course Number:</p> <p>6312 ENVIRO SCI</p>	<p>The Environmental Science course builds on foundational knowledge of the chemical, physical, biological, geological processes and focuses on the natural world. There is a focus on several crosscutting concepts including the following: Cause and Effect, Systems and System Models, Energy and Matter, and Stability and Change. Science practices and Engineering, Technology, and the Application of Science objectives are integrated as students ask questions and define problems, develop and use models, plan and conduct investigations, analyze and interpret data, and construct explanations and design solutions. Safety instruction is integrated in all activities, and students will implement safe procedures and practices when manipulating equipment, materials, organisms, and models.</p>
COURSE TITLE:	FORENSIC SCIENCE –GRADE 11/12
<p>Course Number:</p> <p>6044 FORENSIC SCI</p>	<p>The Forensic Science course is designed to provide students with hands-on experiences in various aspects of a criminal investigation. Science content and Engineering, Technology, and the Application of Science objectives are integrated as students ask questions and define problems, develop and use models, plan and conduct investigations, analyze and interpret data, construct explanations and design solutions as they consider crime scenes, evidence, and protocol. Safety instruction is integrated in all activities, and students will implement safe procedures and practices when manipulating equipment, materials, organisms, and models.</p>
COURSE TITLE:	FORENSIC SCIENCE HONORS –GRADE 11/12
<p>Course Number:</p> <p>6044 FORENSIC SCIH</p>	<p>The Forensic Science Honors course is designed to introduce students to a variety of biological topics and current scientific issues. Students are encouraged to work collaboratively in groups, to design investigations, formulate hypothesis, collect data, reach conclusions, and present their findings to their classmates. The content studies in Forensic Science Honors provides an opportunity for students to study topics in medicine, ecology, forensics biotechnology, and environmental studies. The goal this year is to prepare students in every aspect of Forensic Science curriculum according to the standards put forth by the West Virginia Department of Education.</p>

COURSE TITLE:	INTRO TO GEOGRAPHIC INFORMATION SYSTEMS
Course Number: 6045 INT GEO INFO SYS	The Intro to Geographic Information Systems course introduces the fundamental concepts of geographic map interpretation, creation and analysis. Technologies employed include geographic information systems, global positioning systems, basic remote sensing, geo-visualization and interpretation, Internet mapping, and spatial statistics. Students will explore how geospatial technologies and tools are used in data collection, analysis, presentation, and problem solving. The goals of this course are threefold: 1) to help students to think spatially, analytically, and critically; 2) to help students become better problem solvers; and 3) to teach students the fundamentals of Geographic Information Science and Technology. Geospatial technology might be used to find wetlands that need protection from pollution; help track the spread of a disease; or be used by a company to site a new business location. Ultimately, geospatial technology helps you answer questions and solve problems. <i>Computer Science – Introduction to Geographic Information Systems may be counted as a third science elective credit course if taught by a certified 9-12 science teacher.</i>
COURSE TITLE:	ASTRONOMY
Course Number: 6262 ASTRONOMY	The Astronomy course will provide the student with an introduction to the concepts of modern astronomy, the origin and history of the Universe and the formation of the Earth and the solar system. Students will compare the Earth's properties with those of the other planets and explore how the heavens have influenced human thought and action. The course gives a description of astronomical phenomena using the laws of physics. The course treats many standard topics including planets, stars, the Milky Way and other galaxies, black holes to more esoteric questions concerning the origin of the universe and its evolution and fate. Although largely descriptive, the course will occasionally require the use of sophomore-high level mathematics. Laboratory exercises include experiments in light properties, measurement of radiation from celestial sources, and observations at local observatories and/or planetariums.
COURSE TITLE:	ZOOLOGY
Course Number: 6270 ZOOLOGY	Modern Zoology is the study of all things dealing with animals. As science has advanced over the decades, modern zoologists' study more than just recognition and classification of animals; their attention now includes animal anatomy, physiology, development, histology, ecology, behavior, and evolution. The "story" of animals is told through evolutionary patterns across deep spans of time. Thus, the focus of this course is the recognition of key features of the major body plans that have evolved in animals and how those body plans have changed over time, resulting in the diversity of animals that are evident today.
COURSE TITLE:	BOTANY
Course Number: 7724 BOTANY	The overriding themes for the botany curriculum standards are as follows: structural organization and phylogeny of plants, plant communities, plant processes and evolutionary changes, plant diseases and defenses, plant's responses to environmental extremes, and importance of plants. The standards presented in this document are created to guide the teacher through a course in Botany that allows the student to feel confident at an introductory level for this field. These standards are meant to motivate students toward a genuine interest in Botany and its related fields with possible job interests for the future. The skills a student masters through this coursework should help to prepare them for a related occupation, demonstrate proficiency in a college course of the same nature and enrich their skill level for any additional science courses.
COURSE TITLE:	MICROBIOLOGY
Course Number: 7725 MICROBIO	The Microbiology course is designed to continue student investigations that began in grades K-8 and high school biology and chemistry. This curriculum is extensively performance and laboratory based. It integrates the study of microbial physiology, ecology, and genetics with instruction focusing on the impact microorganisms have on health, agriculture, biotechnology, and the environment. Areas of study include classification of microorganisms; cellular structure and function; metabolic diversity; microbial genetics; control of microbial growth; microbial ecology biotechnology and applied microbiology; and host-microbe interactions. Careers related to medicine, healthcare, research, food science and biotechnology should be emphasized throughout the curriculum. Real-life applications should be emphasized through case studies concerning diseases; epidemiology; food preparation and safety; and use of microbes in industry, agriculture, biotechnology and the environment.

COURSE TITLE:	GENETICS ELECTIVE/HUMAN GENETICS
Course Number: 7727 GENETICS	The Genetics Elective/Human Genetics standards for science practice describe varieties of expertise that science educators at all levels should seek to develop in their students. These practices rest on important “processes and proficiencies” with longstanding importance in science education. The Science Framework emphasizes process standards which include planning investigations, using models, asking questions, and communicating information. Crosscutting concepts have value because they provide students with connections and intellectual tools that are related across the differing areas of disciplinary content and can enrich their application of practices and their understanding of core ideas. Crosscutting concepts can help students better understand core ideas in science and engineering. When students encounter new phenomena, whether in a science lab, field trip, or on their own, they need mental tools to help engage in and come to understand the phenomena from a scientific point of view. Familiarity with crosscutting concepts can provide that perspective. The next step might be to simplify the phenomenon by thinking of it as a system and modeling its components and how they interact. These preliminary studies may suggest explanations for the phenomena, which could be checked by predicting patterns that might emerge if the explanation is correct and matching those predictions with those observed in the real world.
COURSE TITLE:	BIOLOGY ADVANCED PLACEMENT
Course Number: 6121 AP BIOLOGY	The Advanced Placement Biology (AP Biology) course is offered as an equivalent to the introductory college biology course taken by students majoring in biology or the health sciences. The goals of AP Biology are to help students gain an appreciation of life science as a process. Students participating in the course will gain the factual knowledge and analytical skills necessary to deal critically with the rapidly changing science of biology. Students must be enrolled in an AP course for both semesters (entire school year) in order to receive the weighted grade. <i>Recommendation: Grade of A or B in Earth and Space Science.</i>
COURSE TITLE:	ENVIRONMENTAL SCIENCE ADVANCED PLACEMENT
Course Number: 6221 AP ENV SCI	The Advanced Placement Environmental Science is an in-depth, college level study of the earth and environmental concerns. Students must be enrolled in an AP course for both semesters (entire school year) in order to receive the weighted grade. <i>Recommendation: Grade of A or B in Earth and Space Science and Biology.</i>
COURSE TITLE:	CHEMISTRY ADVANCED PLACEMENT
Course Number: 6321 AP CHEM	The Advanced Placement Chemistry (AP Chemistry) course is a one-year course that is the equivalent of a first-year college chemistry course. Theoretical aspects of chemistry are addressed in considerable detail. Students must enroll in both AP Chemistry and AP Chemistry Lab. Students must be enrolled in an AP course for both semesters (entire school year) to receive the weighted grade. <i>Recommendation: Grade of A or B in Chemistry and successful completion of Math III/Algebra II.</i>
COURSE TITLE:	CHEMISTRY LAB ADVANCED PLACEMENT
Course Number: 6322 AP CHEM LAB	The Advanced Placement Chemistry Lab complements the AP Chemistry course by providing students with opportunities to investigate the theories and concepts presented in a laboratory setting. Students must enroll in both AP Chemistry and AP Chemistry Lab. Students must be enrolled in an AP course for both semesters (entire school year) in order to receive the weighted grade. <i>Recommendation: Grade of A or B in Chemistry and successful completion of Math III/Algebra II.</i>
COURSE TITLE:	COLLEGE BIOLOGY 101 (FIRST SEMESTER)
Course Number: 6023 COL BIO 1	The College Biology 101 course is a dual credit course offered in collaboration with West Virginia University. Students receive both high school science credit and 3 hours of Biology from WVU, which will transfer to most colleges or universities. The class is a one semester general biology course and students must pay all college/university fees. The curriculum investigates concepts in cell biology, genetics, ecology and evolution while highlighting the importance of scientific discovery and its impact on society. College Biology 101, 102, 103, and 104 cannot take the place of Biology 10; however, successful completion of Biology 101, 102, 103, and 104 can satisfy the credit for the third or fourth science.
COURSE TITLE:	COLLEGE BIOLOGY LAB 103 (FIRST SEMESTER)
Course Number:	The College Biology 103 is a dual credit course offered in collaboration with West Virginia University. Students receive both high school science credit and 1 hour of Biology (BIOL

NO CODE	103) from WVU, which will transfer to most colleges or universities. The class is a one semester general biology laboratory course and students must pay all college/university fees. The curriculum investigates concepts of scientific discovery and its impact on society. The material covered in this laboratory course supplements and complements the material covered in Biology 101 lecture. College Biology 101, 102, 103, and 104 cannot take the place of Biology 10; however, successful completion of Biology 101, 102, 103, and 104 can satisfy the credit for the third or fourth science.
COURSE TITLE:	COLLEGE BIOLOGY 102 (SECOND SEMESTER)
Course Number: 6023 COL BIO 2	The College Biology 102 course is a dual credit course offered in collaboration with West Virginia University. Students receive both high school science credit and 3 hours of Biology (BIOL 102) from WVU, which will transfer to most colleges or universities. The class is a one semester course general biology course and students must pay all college/university fees. The curriculum investigates concepts in cell biology, genetics, ecology, and evolution while highlighting the importance of scientific discovery and its impact on society. College Biology 101, 102, 103, and 104 cannot take the place of Biology 10; however, successful completion of Biology 101, 102, 103, and 104 can satisfy the credit for the third or fourth science.
COURSE TITLE:	COLLEGE BIOLOGY LAB 104 (SECOND SEMESTER)
Course Number: NO CODE	The College Biology 104 is a dual credit course offered in collaboration with West Virginia University. Students receive both high school science credit and 1 hour of Biology (BIOL 104) from WVU, which will transfer to most colleges or universities. The class is a one semester general biology laboratory course and students must pay all college/university fees. The curriculum investigates the basic morphology (structure) and physiology (function) of living things. Although examples are given for organisms in every kingdom, plant and animal morphology and physiology are emphasized. In addition, photosynthesis and cellular respiration, critical metabolic processes, are examined. The material covered in this laboratory course supplements and complements the material covered in Biology 102 lecture. College Biology 101, 102, 103, and 104 cannot take the place of Biology 10; however, successful completion of Biology 101, 102, 103, and 104 can satisfy the credit for the third or fourth science.
COURSE TITLE:	HUMAN ANATOMY AND PHYSIOLOGY
Course Number: 6103 HMN ANAT	The Human Anatomy and Physiology course is a dual credit class which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. It is an examination of architecture and function of cells, tissues, organs, and organ systems of the human being. This examination will include an intensive and detailed study of the integumentary, skeletal, muscular, cardiovascular, lymphatic, digestive, respiratory, urinary, nervous, reproductive, and endocrine systems as well as their interactions with each other. Three hours lecture per week. Human Anatomy and Physiology and Lab can be used as a science elective. This one semester college class will meet all year.
COURSE TITLE:	ANATOMY AND PHYSIOLOGY LAB
Course Number: 6104 ANAT LAB	The Anatomy and Physiology course is a dual credit class which requires a Pierpont Community & Technical College tuition fee. Complementary to HLCA 1170, the laboratory focuses on the anatomical study of the human form, including microscopic examination of cells and tissues, and gross examination of organs and organ systems (skeleton, muscles, blood vessels, nerves, and internal organs). Physiological exercises are also included, such as real-time examination of electrocardiograms, heart sounds, peripheral circulation, blood pressure, reflexes, electromyograms, electroencephalographs, lung volume, and breathing patterns, to supplement the material covered in HLCA 1170. Human Anatomy and Physiology and Lab can be used as a science elective. This one semester college class will meet all year. <i>Prerequisites: HLCA 1170, may be taken concurrently.</i>
COURSE TITLE:	FORS 2201 INTRODUCTION TO FORENSIC SCIENCE
Course Number: 6065 FORS 2201	This activities-based course dual credit class through Fairmont State University is designed to engage students in the scientific study of searching and processing crime scenes as well as the proper collection and analysis of physical evidence. Students will be involved in 3 hours of lecture/discussion and a 3-hour lab session each week. Students will experience a variety of comparisons science procedures to analyze such things as ink, soils, textiles, glass, drugs, tool marks, and ballistics. The culmination experience will engross students in solving a mock crime using the collection and analysis techniques learned during the course.

COURSE TITLE:	EARTH SPACE SCIENCE – ALTERNATE STANDARDS
Course Number: 7936 EAR SP SC ALT	The West Virginia Alternate Academic Achievement Standards for Science are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. The ninth-grade alternate earth and space science (ESS) course builds upon science concepts from middle school. Disciplinary core ideas, science and engineering practices, and crosscutting concepts are intertwined as students focus on five ESS content topics: Space Systems, History of Earth, Earth's Systems, Weather and Climate, and Human Sustainability.
COURSE TITLE:	BIOLOGY – ALTERNATE STANDARDS
Course Number: 7937 BIO ALT STR	The West Virginia Alternate Academic Achievement Standards for Science are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. The tenth-grade alternate biology content provides more in-depth studies of the living world. Disciplinary core ideas, science and engineering practices, and crosscutting concepts are intertwined as students focus on five life science topics: Structure and Function, Inheritance and Variation of Traits, Matter and Energy in Organisms and Ecosystems, Interdependent Relationships in Ecosystems, and Natural Selection and Evolution.
COURSE TITLE:	PHYSICAL SCIENCE – ALTERNATE STANDARDS
Course Number: 7938 PHY SCI ALT STR	The West Virginia Alternate Academic Achievement Standards for Science are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. The alternate physical science course develops understandings of the core concepts from chemistry and physics: Structure and Properties of Matter; Chemical Reactions; Forces and Interactions; Energy; and Waves and Electromagnetic Radiation. There is a focus on several scientific practices, which include developing and using models, planning, and conducting investigations, analyzing and interpreting data, and constructing explanations. Students will engage in active inquiries, investigations, and hands-on activities as they develop and demonstrate conceptual understandings and research and laboratory skills described in the objectives. Safety instruction is integrated in all activities, and students will implement safe procedures and practices when manipulating equipment, materials, organisms, and models.

Social Studies

COURSE TITLE:	WORLD STUDIES– GRADE 9
Course Number: 7010 WRLD STUDIES	The Ninth Grade World Studies course engages students in the study of development and evolution of the historic, economic, geographic, political, and social structure of the cultural regions of the world from the dawn of civilization to the Twentieth Century. Special attention is given to the formation and evolution of societies into complex political and economic systems. Students are engaged in critical thinking and problem-solving skills, using maps, spreadsheets, charts, graphs, text, and other data from a variety of credible sources. Students synthesize the information to predict events and anticipate outcomes as history evolves through the ages.

COURSE TITLE	WORLD STUDIES HONORS – GRADE 9 HONORS
Course Number: 7010 WRLD STUDS H	The Ninth Grade World Studies course engages students in the study of development and evolution of the historic, economic, geographic, political, and social structure of the cultural regions of the world from the dawn of civilization to the Twentieth Century. Special attention is given to the formation and evolution of societies into complex political and economic systems. Students are engaged in critical thinking and problem-solving skills, using maps, spreadsheets, charts, graphs, text, and other data from a variety of credible sources. Students synthesize the information to predict events and anticipate outcomes as history evolves through the ages. <i>Recommendation: Tier 1 student and an A or B on the first semester report card grades for social studies.</i>
COURSE TITLE	US STUDIES COMPREHENSIVE – GRADE 10
Course Number: 7012 US STUDIES COMP	The Ninth Grade World Studies course engages students in the study of development and evolution of the historic, economic, geographic, political, and social structure of the cultural regions of the world from the dawn of civilization to the Twentieth Century. Special attention is given to the formation and evolution of societies into complex political and economic systems. Students are engaged in critical thinking and problem-solving skills, using maps, spreadsheets, charts, graphs, text, and other data from a variety of credible sources. Students synthesize the information to predict events and anticipate outcomes as history evolves through the ages. <i>Recommendation: B in previous social studies course(s) and/or teacher recommendation.</i>
COURSE TITLE:	UNITED STATES STUDIES – GRADE 10
Course Number: 7009 US STUDIES	The Tenth Grade United States Studies course examines the evolution of the Constitution as a living document and the role of participatory democracy in the development of a rapidly changing technological society. This study of the United States is an examination of the formative years from the colonization of what would be the United States to its transformation as a dominant political and economic influence in the world at the beginning of the twentieth century. Special emphasis is placed on how the challenges of settling expansive and diverse physical environments were met by a culturally diverse population. If a student takes this course during their Grade 10 year, they must take Contemporary studies during their Grade 11 year.
COURSE TITLE:	UNITED STATES STUDIES HONORS – GRADE 10 HONORS
Course Number: 7009 US STUDIE H	The Tenth Grade United States Studies course examines the evolution of the Constitution as a living document and the role of participatory democracy in the development of a rapidly changing technological society. This study of the United States is an examination of the formative years from the colonization of what would be the United States to its transformation as a dominant political and economic influence in the world at the beginning of the twentieth century. Special emphasis is placed on how the challenges of settling expansive and diverse physical environments were met by a culturally diverse population. If a student takes this course during their Grade 10 year, they must take Contemporary Studies during their Grade 11 year. <i>Recommendation: Tier 1 student and an A or B on the first semester report card grades for social studies.</i>
COURSE TITLE:	CONTEMPORARY STUDIES - GRADE 11
Course Number: 7011 CONTEMP STDS	The Eleventh Grade Contemporary Studies course examines the interactions between the United States and the world since 1914 to present day. Teachers will engage students in critical thinking and problem-solving skills as students learn and work with factual historical content, geography, civics, economics and other social studies concepts. Maps, spreadsheets, charts, photographs, the arts, music, graphs, primary source documents, textbooks and data from a variety of credible electronic and non-electronic sources will be used to synthesize, analyze, interpret and predict outcomes. If a student took US Studies Grade 10, they must take this course during their Grade 11 year.
COURSE TITLE:	CONTEMPORARY STUDIES HONORS – GRADE 11 HONORS
Course Number: 7011 CONTEMP STDS	The Eleventh Grade Contemporary Studies course examines the interactions between the United States and the world since 1914 to present day using higher level thinking skills, document-based research, and writing to identify and study the interaction of geographic, political, economic, and historical factors. Teachers will engage students in critical thinking and problem-solving skills as students learn and work with factual historical content, geography, civics, economics, and other social studies concepts. Maps, spreadsheets, charts, photographs, the arts, music, graphs, primary source documents, textbooks and data

	<p>from a variety of credible electronic and non-electronic sources will be used to synthesize, analyze, interpret and predict outcomes. If a student took US Studies Grade 10, they must take this course during their Grade 11 year.</p> <p><i>Recommendation: Tier 1 student and an A or B on the first semester report card grades for social studies.</i></p>
COURSE TITLE:	CIVICS – GRADE 12
<p>Course Number:</p> <p>7031 CIVICS</p>	<p>The Civics course is designed as a culminating history class that fosters informed citizens essential to the perpetuation of the American Republic. Students learn and utilize knowledge and skills for responsible, participatory citizenship based on a firm understanding of the principles and practices of our government coupled with civil rights and responsibilities, sound financial literacy, and global awareness. Students investigate what has happened, explore what is happening, and predict what will happen with the social, political, and economic problems that beset America and the world using the skills and resources of the past centuries and the present. Students continue to develop their critical thinking and problem-solving skills collaboratively and independently to become informed citizens and consumers, who practice economically sound decision-making, are geographically aware of physical and human landscapes of the world, and protect, preserve, and defend their system of government. All students must complete the state mandated citizenship exam.</p>
COURSE TITLE:	TOPICS IN U.S. HISTORY
<p>Course Number:</p> <p>7237 TOPIC US STU</p>	<p>This American Civil War Studies course will be an in-depth study of the American Civil War. Students will analyze and synthesize the political, geographic, social, and economic cause of the war and impact on both the United States and Confederate States of America. Students will acquire an in-depth knowledge of the war through the examination of warfare, strategy and tactics, leadership (including Abraham Lincoln, Robert E. Lee and Ulysses S. Grant), key battles, advancement in technologies of the time, courage, brotherhood and bravery of both sides. Students will track key units from the war, re-create famous battles through historical simulations and have experiential learning opportunities.</p>
COURSE TITLE:	ECONOMICS (SEMESTER)
<p>Course Number:</p> <p>7032 ECONOMICS</p>	<p>The Economics course helps students understand that it is essential for them to reason logically about key economic issues that affect their lives as workers, consumers, and citizens. A better understanding of economics enables students to understand the forces that affect them every day and helps them identify and evaluate the consequences of personal decisions. As resources become scarce, as the economic environment changes, and as the economic impact of decisions becomes more immediate, students must make sense of the array of economic concepts, facts, events, observations and issues in everyday life and the ability to make effective decisions about economic issues.</p>
COURSE TITLE:	GEOGRAPHY
<p>Course Number:</p> <p>7033 GEOGRAPHY</p>	<p>The Geography course allows students to see, understand, and appreciate the web of relationships between people, places, and environments. Geography provides knowledge of Earth's physical and human systems and of the interdependency of living things and physical environments. This geography course is based on the six essential elements of geography and stresses the contemporary world and the role of the U.S. in the global community. Students will use geographic perspectives and technology to interpret culture, environment and the connection between them. Students will use the geographic skills of asking geographic questions, acquiring geographic information, organizing geographic information, analyzing geographic information, and answering geographic questions.</p>
COURSE TITLE:	LAW STUDIES
<p>Course Number:</p> <p>7109 LAW ST</p>	<p>The Law Studies course is designed to provide a practical understanding of law and the legal system that will be of use to students in their everyday lives. It will also provide exposure to the many vocational opportunities that exist within the legal system. The roles that law, lawyers, law enforcement officers, and the legal system play in our society will be experienced by all students.</p>
COURSE TITLE:	HISTORY OF THE HOLOCAUST (SEMESTER)
<p>Course Number:</p> <p>7014 HOLOCAUST</p>	<p>The History of the Holocaust course is a study of man's inhumanity to man with the destruction of European Jews during World War II. This course teaches valuable lessons about human nature and society. By examining good and evil in human nature, students can look inward and better understand themselves and their relationship with others.</p>

COURSE TITLE:	PSYCHOLOGY
Course Number: 7321 PSYCHOLOGY	The Psychology course introduces students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology. These courses may examine a specific topic in psychology, such as human growth and development or personality, rather than providing a more comprehensive overview.
COURSE TITLE:	PSYCHOLOGY (SEMESTER)
Course Number: 7321 PSYCHOLOGY S	The Psychology course explores the study of human behavior and its causes. The course will provide an introduction to such topics as an overview of the field of psychology, human growth and development, personality development, sensation and perception, and learning theories.
COURSE TITLE:	SOCIOLOGY
Course Number: 7341 SOCIOLOGY	The Sociology course introduces students to the study of human behavior in society. This course provides an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships of individuals and groups in society. This course may examine a specific topic in sociology, such as culture and society or the individual in society, rather than providing an overview of the field of sociology.
COURSE TITLE:	SOCIOLOGY (SEMESTER)
Course Number: 7341 SOCIOLOGY S	The Sociology course is a study of the interrelationships of groups of people, institutions, the media, and social construction of society. It is a study of how society perpetuates our understanding of cultural values, ideas, and traditions.
COURSE TITLE:	RACE, CLASS & GENDER (SEMESTER)
Course Number: 7352 RACE CL GNDR	The Race, Class, and Gender course includes information about minority, social, and cultural groups, and their attempts to gain equality in American society.
COURSE TITLE:	LEADERSHIP/STUDENT COUNCIL
Course Number: 7651 LDRSHIP	The Leadership Skills course is designed to improve a student's leadership ability and encourage school morale. The course involves practical speaking situations which include introductions, interviews, and demonstrations. Leadership Skills provides focus in personal goals and student-designed activities pertaining to student government within the school structure. Experiences such as planning and implementing school assemblies, workshops, volunteer programs and social activities may be included.
COURSE TITLE:	GEOGRAPHY: HUMAN GEOGRAPHY ADVANCED PLACEMENT
Course Number: 7042 AP GEOGRAPHY	The Advanced Placement Human Geography course is a study of the Earth and its features and of the distribution of life on the Earth including human life and the effects of human activity. Theoretical aspects of Geography will be addressed in considerable detail. Students must be enrolled in an AP course for both semesters (entire school year) to receive the weighted grade. <i>Recommendation: Grade of B or above in all previous social studies courses.</i>
COURSE TITLE:	GOVERNMENT & POLITICS: U.S. ADVANCED PLACEMENT
Course Number: 7044 AP GV/PL-US	The Advanced Placement United States Government and Politics course will give students an analytical perspective on government and politics in the U.S. It includes the study of general concepts used to interpret U.S. politics and the analysis of specific examples. Students must be enrolled in an AP course for both semesters (entire school year) to receive the weighted grade. Per the approved state waiver, this course may be taken in lieu of Civics. All students must complete the state mandated citizenship exam. <i>Recommendation: Grade of B or above in all previous social studies courses.</i>
COURSE TITLE:	HISTORY: UNITED STATES ADVANCED PLACEMENT
Course Number: 7046 AP US HSTRY	The Advanced Placement United States History course is a full-year introductory college course in United States History that covers the period from European explorations of the Americas to the present with an emphasis on reading and writing. Summer reading assignments are required. Per the approved state waiver, this course may be taken in lieu of Contemporary Studies. Students must be enrolled in an AP course for both semesters (entire school year) to receive the weighted grade. <i>Recommendation: Grade of B or above in all previous social studies courses and ELA courses.</i>

COURSE TITLE:	PSYCHOLOGY ADVANCED PLACEMENT
Course Number: 7047 AP PSYCHOLGY	The Advanced Placement Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Students must be enrolled in an AP course for both semesters (entire year) in order to receive the weighted grade.
COURSE TITLE:	UNITED STATES HISTORY I HST 1101
Course Number: 7009 US STUDIES I	The United States History I is a dual credit class which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. This course examines the major developments in American history, from pre-Columbian Native Americans cultures to the end of the Civil War, with emphasis on the Colonial, Revolutionary, Early Republic, and Civil War eras. Successful completion of United States History 1101 and United States History 1102 can satisfy the credit for US History.
COURSE TITLE:	UNITED STATES HISTORY II HST 1102
Course Number: 7009 US STUDIES II	The United States History II is a dual credit class which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. This course examines the major developments in American history, from Reconstruction to the present with emphasis on the political, social, cultural economic, and diplomatic forces that contributed to America's emergence as the world's leading industrial democracy. Successful completion of United States History 1101 and United States History 1102 can satisfy the credit for US History.
COURSE TITLE:	AMERICAN GOVERNMENT POL 1101
Course Number: 7139 POLI SCI	The American Government is a dual credit class which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. This course is a survey of the American political system, dealing particularly with the form and function of the federal system.
COURSE TITLE:	INTRODUCTION TO PSYCHOLOGY PSYG 1101
Course Number: 7321 PSYCHOLOGY	The Introduction to Psychology course is a dual credit class which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. This course is a general overview of the science of psychology. Topics include science methodology, life-span psychology, personality theory, consciousness, stress, health and coping, learning theory, psychological disorders, biopsychology, sensation, cognition and memory and social psychology.
COURSE TITLE:	INTRODUCTION TO SOCIOLOGY SCY 1101
Course Number: 7341 SOCIOLOGY	The Introduction to Sociology course is a dual credit class which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. This course is built around selected sociological concepts and is designed to provide a general understanding of modern society.
COURSE TITLE:	RACE, CLASS, GENDER, AND SEXUALITY INTR 2200
Course Number: 7352 TPICS CITIZEN	The Race, Class, Gender, and Sexuality course is a dual credit class which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. This course is an introductory multicultural course which explores race, class, gender, ethnicity, sexuality, and the dynamics of their interrelationships. Themes include identity, power, and change. Students will examine interdisciplinary methodologies in the humanities and social sciences, including, historic, psychological, sociological, economic, educational, and artistic approaches. Prerequisites: "C" or better in ENGL 1104.
COURSE TITLE:	EMPOWERING LEADERSHIP INTR 2280
Course Number: 7651 LDRSHIP	The Empowering Leadership course is a dual credit class which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. The purpose of this course is to help prepare students to assume increasingly responsible leadership roles of empowerment in their personal, professional, and academic lives. This interdisciplinary, student-centered course focuses online on significant theories of empowering leadership and their applicability to leaders of the past and present, but also includes substantial hands-on, experiential learning opportunities in which students practice empowering leadership. Prerequisites: "C" or better in ENGL 1104.

COURSE TITLE:	FINANCIAL LITERACY FINC 2230
Course Number: 7950 FIN LIT	The Financial Literacy course is a dual credit class which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. This course provides students with the framework and tools for preparing personal financial plans that serve as roadmaps for goal achievement. It emphasizes the dynamics of the personal financial planning process by considering the impact of life changes-birth, marriage, divorce, job and career, and death.
COURSE TITLE:	UNITED STATES HISTORY I HIST 1107
Course Number: 7009 US STUDIES I	The United States History I course is a dual credit class which requires a Fairmont State University tuition fee for three hours of college credit. This course examines the major developments in American history, from pre-Columbian Native Americans cultures to the end of the Civil War, with emphasis on the Colonial, Revolutionary, Early Republic, and Civil War eras. Successful completion of United States History 1107 and United States History 1108 can satisfy the credit for US History.
COURSE TITLE:	UNITED STATES HISTORY II HIST 1108
Course Number: 7009 US STUDIES II	The United States History II course is a dual credit class which requires a Fairmont State University tuition fee for three hours of college credit. This course examines the major developments in American history, from Reconstruction to the present with emphasis on the political, social, cultural economic, and diplomatic forces that contributed to America's emergence as the world's leading industrial democracy. Successful completion of United States History 1107 and United States History 1108 can satisfy the credit for US History.
COURSE TITLE:	ECONOMICS BSBA 2200
Course Number: 7032 TOPICS ECON	The Economics course is a dual credit class which requires a Fairmont State University tuition fee for three hours of college credit. It is a General Studies course for non-business majors, which provides the student with a broad background in the field. The student will be exposed to micro- and macroeconomic theory and international economics and should develop adequate knowledge to understand the role of economic systems and the application of economic principals in modern society. Successful completion of Economics BSBA 2200 and American Government 1100 can satisfy the credit for Civics. All Students must complete the citizenship exam.
COURSE TITLE:	AMERICAN GOVERNMENT POLI 1100
Course Number: 7139 POLI SCI	The American Government course is a dual credit class which requires a Fairmont State University tuition fee for three hours of college credit. This course is a survey of the American political system, dealing particularly with the form and function of the federal system. Successful completion of Economics BSBA 2200 and American Government 1100 can satisfy the credit for Civics. All Students must complete the citizenship exam.
COURSE TITLE:	INTRODUCTION TO POLITICAL SCIENCE POLI 2200
Course Number: 7139 POLI SCI	The Introduction to Political Science course is a dual credit class which requires a Fairmont State University tuition fee for three hours of college credit. This is a study of the fundamentals of politics and key issues, the concept of the state and its agent, government, types of political authority, the scope of governmental activities and the problem of world order.
COURSE TITLE:	INTRODUCTION TO PSYCHOLOGY PSYCH 1101
Course Number: 7321 PSYCHOLOGY	The Introduction to Psychology course is a dual credit class which requires a Fairmont State University tuition fee for three hours of college credit. This course is an exploration of the science and practice of psychology. It will provide you with knowledge in the methods and processes of discovery in psychology, history of psychology, human physiology, development, social, cognition, psychological disorders, and treatments and much more at the basic level.
COURSE TITLE:	INTRODUCTION TO SOCIOLOGY SOCY 1110
Course Number: 7341 SOCIOLOGY	The Introduction to Sociology course is a dual credit class which requires a Fairmont State University tuition fee for three hours of college credit. This course focuses on social interaction and group behavior with an emphasis on the scientific study of contemporary society. Topics include issues relating to socialization culture, and inequality. Using these concepts students will analyze relationships among the institutions of family, religion, politics, and work.
COURSE TITLE:	WORLD STUDIES – ALTERNATE STANDARDS
Course Number: 7939	The West Virginia alternate academic achievement standards for Social Studies are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the

WLD STU ALT	accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. Ninth grade students at the mastery level explain the societies of the Middle Ages and give examples of their influence on social, political, and economic issues; illustrate the changes brought about by the Renaissance, Reformation, Exploration, and the Enlightenment; and analyze geographic features and interpret information using geographic tools. Students cite textual evidence; summarize how key events or ideas develop; analyze events determining whether earlier events caused later ones.
COURSE TITLE:	US STUDIES – ALTERNATE STANDARDS
Course Number: 7940 US STU ALT STR	The West Virginia alternate academic achievement standards for Social Studies are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. Tenth grade students at the mastery level categorize the relationships between the social, geographic, political and economic causes, events and results of the Civil War and Reconstruction with charts, graphs, timelines, and other graphic organizers; locate geographic features and interpret information using geographic tools; and determine reasons for the rise of labor unions as a result of industrialization and urbanization in the United States.
COURSE TITLE:	CONTEMPORARY STUDIES – ALTERNATE STANDARDS
Course Number: 7942 CON STU ALT STR	The West Virginia alternate academic achievement standards for Social Studies are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. Eleventh grade students at the mastery level analyze U.S. and world conflicts and evaluate their resolutions; critique various economic systems and their roles in world conflicts; assess population growth, both natural and immigrant; and draw conclusions about the various events associated with World War I and their effect on the U.S. as a world power.
COURSE TITLE:	CIVICS – ALTERNATE STANDARDS
Course Number: 7943 CIV ALT STR	The West Virginia alternate academic achievement standards for Social Studies are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. Twelfth grade students at the mastery level outline the different levels and forms of government and evaluate how political, religious and economic climates influence decision-making; examine the rights and responsibilities of informed consumers and producers; and research, debate and evaluate demographic data on a variety of local and global issues.

Health

COURSE TITLE:	HIGH SCHOOL HEALTH (9-12)
Course Number: 6909 HEALTH HS	The High School Health prepares students to become wise health care consumers and responsible, productive citizens. The relationships among personal, community and world health and economic, cultural, sociological, and biological factors are examined. Students examine personal health choices and the connection to the world of work and assumption of adult roles. Instruction continues to focus on prevention of all risk behaviors. Instruction also emphasizes limiting the negative consequences of high-risk behavior and promotes values and norms that are age-appropriate and realistic.

COURSE TITLE:	SPORTS MEDICINE (SEMESTER)
Course Number: 7746 SPORTS MED	The Sports Medicine course presents information that relates to the prevention, recognition, evaluation, treatment, and rehabilitation of activity-related injuries. Students will develop an understanding of the nature of sports medicine which encompasses the physiological, biomedical, psychosocial, and pathological phenomenon associated with exercise and athletics. <i>Recommendation: Completion of High School Health.</i>
COURSE TITLE:	SAFETY & FIRST AID (SEMESTER)
Course Number: 6951 SFTY 1ST AID	The Safety & First Aid course provides specialized instruction in first aid techniques, cardiopulmonary resuscitation, relief of obstructed airways, and general safety procedures and behaviors. Course topics may include an overview of community agencies and hotlines providing emergency care and information. <i>Recommendation: Completion of High School Health.</i>
COURSE TITLE:	HIGH SCHOOL HEALTH – ALTERNATE STANDARDS
Course Number: 7944 HI SCH HLT ALT	The West Virginia alternate academic achievement standards for Health are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. Students examine personal health choices and the connection to the world of work and assumption of adult roles. Instruction continues to focus on prevention of at-risk behaviors. Students should have a personal perception of risk, the ability to recognize and resist social pressures and the skills to build positive social relationships.

PHYSICAL EDUCATION

COURSE TITLE:	HIGH SCHOOL PHYSICAL EDUCATION 9-12
Course Number: 6609 PHYS ED HS	The High School Physical Education course focuses on fitness, offers diverse movement forms, and emphasizes lifetime physical activity. The Fitness Gram Physical Education Fitness Test is required by the state and administered to all students.
COURSE TITLE:	FITNESS/CONDITIONING ACTIVITIES
Course Number: 6709 FITNESS/COND	The Fitness/Conditioning Activities course emphasizes conditioning activities that develop muscular strength, flexibility, and cardiovascular fitness. <i>Recommendation: Successful completion of the required Physical Education class.</i>
COURSE TITLE:	FITNESS/CONDITIONING ACTIVITIES II
Course Number: 6710 FITNESS/COND II	The Fitness/Conditioning Activities II course continues to emphasize conditioning activities that develop muscular strength, flexibility, and cardiovascular fitness. <i>Recommendation: Successful completion of Fitness/Conditioning Activities I.</i>
COURSE TITLE:	FITNESS/CONDITIONING ACTIVITIES III
Course Number: 6711 FITNESS/COND III	Fitness and Conditioning III is the third class in the progression for students interested in learning about health and wellness as well as participating in a fitness program designed to improve overall strength, quickness, cardiovascular conditioning, and agility. The course will be graded based on participation in the program and its fitness components. The students in phase III of the course will also develop a role as a mentor for students in phase I and II while in the class. <i>Recommendation: Successful completion of Fitness/Conditioning Activities II.</i>
COURSE TITLE:	HIGH SCHOOL PHYSICAL EDUCATION – ALTERNATE STANDARDS
Course Number:	The West Virginia alternate academic achievement standards for Physical Education are written for students with significant cognitive disabilities with the understanding that the

7945 HI SC PHY ED AT	student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. High school physical education programs should focus on fitness, offer diverse movement patterns, development of motor skills and emphasize lifetime activities. Students need to be exposed to a wide variety of activities, both competitive and non-competitive, that bring them enjoyment and challenge, thus enabling them to maintain an active lifestyle for a lifetime.
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Library/Media

COURSE TITLE:	LIBRARY SCIENCE I
Course Number: 5911 LIBRARY I	The Library/Media skills course is an extension of the K-12 sequence program. It is designed to assist students in refining library and information skills necessary for a successful high school experience and to prepare them for using college/university libraries. This program is designed to offer students a wide variety of library and media experiences. Research and reporting skills, organizational skills, and the use of computers and audio-visual equipment will form a major part of the program. Students will be responsible for assisting in the school media centers. Class size is limited to four per period. <i>Grades 10-12: Recommendation: teacher approval</i>
COURSE TITLE:	LIBRARY SCIENCE II
Course Number: 5912 LIBRARY II	The Library Science II course deals with advanced library research skills and resources and will include special individualized projects. Students will assist the librarian in delivery of library/media services. Class size is limited to four per period. <i>Grades 11-12: Recommendation: Completion of Library Science I and teacher approval.</i>
COURSE TITLE:	LIBRARY SCIENCE III
Course Number: 5913 LIBRARY III	The Library Science III course is an extension of Library I and II with advanced library and English research skills. Class size is limited to four per period. <i>Grade 12: Recommendation: Completion of Library Science I and II.</i>

Broadcasting

COURSE TITLE:	BROADCASTING
Course Number: 4162 BROADCASTING <i>Grades 9-11</i>	The Broadcasting course is one semester or a full-year introductory course that prepares students to produce effective television broadcasts. Areas of study may include but are not limited to the following: operation of studio and location cameras, interviewing and reporting, creating news copy, script writing, on-camera presentation, editing news footage, and various creative aspects of visual production. This course is required before enrolling in Mass Communication (Advanced Broadcasting I).
COURSE TITLE:	MASS COMMUNICATION I (Advanced Broadcasting I)
Course Number: 4157	The Mass Communication I course enables students to understand and critically evaluate the role of media in society. Course content typically includes investigation of visual images, printed material, and audio segments as tools of information, entertainment, and

MASS COMM I	propaganda; improvement of presentation and evaluative skills in relation to mass media; recognition of various techniques for delivery of a particular message; and, in some cases, creation of a media product. The course may concentrate on a particular medium. <i>Grades 10-12: Recommendation: Completion of Broadcasting and teacher approval.</i>
COURSE TITLE:	MASS COMMUNICATION II (Advanced Broadcasting II)
Course Number: 4158 MAS COMM II <i>Grades 10 - 12</i>	The Mass Communication II course is designed to enhance production and performance skills and produce a daily broadcast; this lab experience for broadcast journalists may include but will not be limited to the following: researching and gathering information, writing news stories, coordinating, and conducting interviews, shooting and editing video production operations and creating and producing long-term projects, and learning to maintain equipment. <i>Recommendation: Completion of Mass Communication I and teacher approval.</i>
COURSE TITLE:	MASS COMMUNICATION III (Advanced Broadcasting III)
Course Number: 4159 MAS COMM III <i>Grades 11 - 12</i>	The Mass Communication III course is designed to expand and enhance skills in the areas of reading, writing, speaking, listening, and media literacy. This lab experience may include, but is not limited to, researching, and gathering information, writing, news stories, conducting interviews, video production, editing, long term projects, and learning to maintain equipment. <i>Recommendation: Completion of Mass Communication I and II and teacher approval.</i>

Driver Education

COURSE TITLE:	DRIVER EDUCATION (SEMESTER)
Course Number: 6811 DRVR ED	The Driver Education course is offered to students who have turned 15 years of age prior to the semester in which they take the course. The goals of the Driver Education Program of Study are to provide students with the knowledge and skills to operate a motor vehicle safely and efficiently on our nation's streets and highways, to equip students with the knowledge to enable them to make wise decisions as drivers, and to assist students to become responsible users of the highway transportation system.

Fine and Performing Arts Education: Visual Art

COURSE TITLE:	ART I
Course Number: 3211 ART I	The Art I course is designed to provide knowledge and skills necessary to produce two-dimensional and three-dimensional artworks using a variety of media, techniques, technology, and processes. Students relate art skills and strategies to other disciplines, various cultures, major art movements, and historical periods. Students will practice responsible workplace skills and review career options.
COURSE TITLE:	ART II
Course Number: 3212 ART II	The Art II course extends artistic skills, critical skills, and concept development through well-defined experiences in creating, reflecting, and discussing artworks. Students focus on compositional awareness through the proficient use of elements, principles, structures, and functions. Students explore various aspects of the arts in the context of cultural and historical parameters as they examine connections between other disciplines and technologies. Students practice responsible workplace skills and safety, explore career opportunities, and are introduced to the concept of portfolio development. <i>Recommendation: Completion of Art I.</i>

COURSE TITLE:	ART III
Course Number: 3213 ART III	The Art III course builds on previous content standards with a more in-depth approach. Students analyze art from various cultures visually, verbally, and in written form. Students examine and relate various themes and purposes of art forms to the total educational process. They study art history, criticism, and aesthetics in relation to individually selected artworks and develop a personal philosophy of art. Students develop personal portfolios which include products and critiques. <i>Recommendation: Completion of Art II.</i>
COURSE TITLE:	ART IV
Course Number: 3214 ART IV	The Art IV course helps students develop and clarify their philosophy of art and art making through in-depth explorations with media, techniques and processes. Students expand and refine a portfolio reflecting a broad base of knowledge in the arts. Students take part in planning and installing an exhibition. <i>Recommendation: Completion Art III.</i>
COURSE TITLE:	ART HISTORY/APPRECIATION/CRITICISM
Course Number: 3233 ART HS/APPR	The Art History/Appreciation/Criticism course is designed to help students identify, discuss, and compare cultural and multi-cultural influences on the arts, including social, political, economic, functional, and aesthetic considerations. They develop a variety of critical analyses. Students' experiences with art media within its historical context will connect selected artwork to the artist's process. Knowledge of related careers in the fields of art history and aesthetics are covered as well as the application of technology to assist learning.
COURSE TITLE:	STUDIO ART I
Course Number: 3241 STDO ART I	The Studio Art I course provides in-depth study in a selected media, technique and processes. Students learn proficiency in craftsmanship, the use of technology, the study of career related professions, and the safe and responsible use of materials. Topics can include, but are not limited to, ceramics, photography, painting, drawing and/or mixed media. <i>Recommendation: Completion of Art I and Art II.</i>
COURSE TITLE:	STUDIO ART II
Course Number: 3242 STDO ART II	The Studio Art II students continue with an in-depth study begun in Studio Art I in a selected media that can include, but is not limited to, ceramics, photography, painting, drawing and/or mixed media. <i>Recommendation: Completion of Studio Art I.</i>
COURSE TITLE:	GRAPHIC ARTS
Course Number: 3313 GRAPHIC ARTS	The Graphic Arts students work in digital manipulation of imagery with paint and drawing software will be experienced. Electronic portfolios will be created as well as visual products similar to actual workplace scenarios. Graphic Art provides the opportunity for students to become more familiar with technology and how it assists the artist in creating various forms of artwork. Students will have a better understanding of graphic design as a career choice.
COURSE TITLE:	PHOTOGRAPHY
Course Number: 3343 PHOTO (ART)	The Photography courses expose students to the materials, processes, and artistic techniques of taking artistic photographs. Students learn about the operation of a camera, composition, lighting techniques, depth of field, filters, camera angles, and film development. The course may cover black and white, or color photography, or both. As students advance, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic style. In order to develop each student's style and artistic eye, major photographers, art movements, and styles may also be studied.
COURSE TITLE:	STUDIO ART DESIGN ADVANCED PLACEMENT
Course Number: 3222 AP STD ART	The Advanced Placement Studio Art Program offers 3 different portfolios to choose from for submission to the College Board: 2-D Design, 3-D Design or Drawing. Students will receive college credit if the portfolio passes with a score of 3 or above. Students will work on an individualized portfolio in this course. Independent summer work is required. Students must be enrolled in an AP course for both semesters (entire school year) to receive the weighted grade.
COURSE TITLE:	ART – ALTERNATE STANDARDS
Course Number: 7946 ART ALT STR	The West Virginia alternate academic achievement standards for Art are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding,

	guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. Students produce two-dimensional and three-dimensional artworks using a variety of media, techniques, technology, and processes. They relate art skills and strategies to other disciplines, various cultures, major art movements, and historical periods.
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Fine and Performing Arts Education: Dance

COURSE TITLE:	DANCE I
Course Number: 3401 DANCE I	The Dance I course is provided to introduce students to “the art of dance” and to develop advanced skills in dance, choreography, critical and creative thinking. Dance I will focus on dance as an effective means of communication and healthful living. In addition, the basic elements of dance will be identified and demonstrated.
COURSE TITLE:	DANCE II
Course Number: 3402 DANCE II	The Dance II students will concentrate on comparing and contrasting dances of various cultures and historical periods as well as applying and demonstrating critical and creative thinking skills in dance. Emphasis will be placed on dance as a means of developing and maintaining a healthy lifestyle. <i>Recommendation: Completion of: Dance I.</i>
COURSE TITLE:	DANCE III
Course Number: 3403 DANCE III	The Dance III course will stress practice in performing technical and choreographic skills necessary for artful presentation. Emphasis will be placed on the relationship of dance to other disciplines and careers. Research of dance history and artists will be an integral part of this level of study. <i>Recommendation: Completion of Dance I and II.</i>
COURSE TITLE:	DANCE IV
Course Number: 3404 DANCE IV	The Dance IV course focuses on creating and performing dance as the major emphasis of dance study on the fourth level. The creative process will be studied, and students will develop an awareness of dance and its place in the present and future culture. <i>Recommendation: Completion of Dance I, II and III.</i>

Fine and Performing Arts Education: Music

COURSE TITLE:	BAND I
Course Number: 3611 BAND I	The Band I course is a co-curricular performance group which utilizes both daily class time and some after school rehearsals. Students will be required to attend summer rehearsals and band camp. Students will develop mastery in the concepts, techniques and repertoire of both marching and concert ensembles. WVSSAC rules apply. <i>Recommendation: Middle School/Junior High instruction or permission/audition by the band director.</i>
COURSE TITLE:	BAND II
Course Number: 3612 BAND II	The Band II students will continue to develop mastery in the concepts, techniques, and repertoire of both marching and concert ensembles. Students will be required to attend summer rehearsals and band camp as well as after school rehearsals. WVSSAC rules apply. <i>Recommendation: Band I or permission/audition by the band director.</i>

COURSE TITLE:	BAND III
Course Number: 3613 BAND III	The Band III students will continue to develop mastery in the concepts, techniques, and repertoire of both marching and concert ensembles. Students will be required to attend summer rehearsals and band camp as well as after school rehearsals. WVSSAC rules apply. <i>Recommendation: Band II or permission/audition by the band director.</i>
COURSE TITLE:	BAND IV
Course Number: 3614 BAND IV	The Band IV students will continue to develop mastery in the concepts, techniques, and repertoire of both marching and concert ensembles. Students will be required to attend summer rehearsals and band camp as well as after school rehearsals. WVSSAC rules apply. <i>Recommendation: Band III or permission/audition by the band director.</i>
COURSE TITLE:	CHORUS I - BEGINNING
Course Number: 3621 CHRS I BGN	The Beginning Chorus I objectives are written for students who have begun their study of voice. Typically, these students would be at the elementary or early middle school level, but due to delayed entry into choral programs or differences in scheduling, these students could also be at the late middle school or high school level. These students learn basic singing skills, performance criteria, and begin to explore relationships between music and other disciplines. The students will be required to participate in after school rehearsals and public performances. (Year 1)
COURSE TITLE:	CHORUS II - INTERMEDIATE
Course Number: 3622 CHRS II INT	The Intermediate Chorus II objectives are written for students who have advanced past the beginning study of voice. Students at the Intermediate level build on previously studied skills, learning additional choral techniques and more developed singing styles. They further develop their singing range, ensemble singing, sight-reading and self-evaluation skills. The students will be required to participate in after school rehearsals and public performances. (Year 2) Prerequisite: Auditions are held in the spring for any 9 th , 10 th , or 11 th grade students.
COURSE TITLE:	CHORUS III - ADVANCED
Course Number: 3623 CHRS III ADV	The Advanced Chorus III objectives are written for students who have progressed through the intermediate study of voice. The students at the Advanced level will continue to refine their singing skills. They study various composers, choral music, and styles. They learn to sing using expressions developing further techniques. Advanced students will study formal structures and elements of music applying them to singing. They will learn the historical context of music selections and relate these to history and culture. The students will be required to participate in after school rehearsals and public performances. (Year 3) Prerequisite: Auditions are held in the spring for any 9 th , 10 th , or 11 th grade students.
COURSE TITLE:	CHORUS IV
Course Number: 3624 CHRS IV	The Senior Chorus IV objectives are written for students who have progressed through the intermediate study of voice. These would be students in their final year of high school. The students at the Senior Level will continue to refine their singing skills. They study various composers, choral music, and styles. They learn to sing using expressions developing further techniques. Senior students will study formal structures and elements of music applying them to singing. They will learn historical context of music selections and relate these to history and culture. The students will be required to participate in after school rehearsals and public performances. (Year 4) Prerequisite: Auditions are held in the spring for 11 th grade students.
COURSE TITLE:	FOLK MUSIC I
Course Number: 3661 FOLK MUSC I	The Folk Music I students will receive an introduction to basic playing skills of folk instruments: fingerings, characteristic tone qualities, and playing positions. Students will learn the historical and cultural background of folk music and appropriate repertoire.
COURSE TITLE:	MUSIC APPRECIATION/HISTORY/HUMANITIES
Course Number: 3671 MSC APPR/HST	The Music Appreciation/History/Humanities course is designed to expose students to the fundamental theories behind the creation of music and how history has influenced these theories. Emphasis will be placed on basic concepts of music notation, interpretation, improvisation, and composition as well as analysis of melody, harmony, structure, and style. This course is a semester or full year.

COURSE TITLE:	PIANO I
Course Number: 3681 PIANO I	The Piano I students will use correct wrist, hand, and body positions in playing major scales, block, and broken chord patterns, cadences using the I, IV, V7 chords, and simple pieces in major keys. They will accompany simple melodies with block chord accompaniment. Sight-reading in treble and bass clefs is practiced and evaluation skills are developed. (Year 1)
COURSE TITLE:	PIANO II
Course Number: 3682 PIANO II	The Piano II students refine playing technique, practice major scales and cadence. They compose a melody with accompaniment. Music reading and evaluation skills are expanded. The various roles of keyboard musicians are examined. (Year 2) <i>Recommendation: Completion of Level I Piano.</i>
COURSE TITLE:	PIANO III
Course Number: 3683 PIANO III	The Piano III students at this intermediate level refine playing, sight-reading, and ensemble skills. They explore accompaniments and composition in major and minor keys. They refine evaluation skills. (Year 3) <i>Recommendation: Completion of Level I and II Piano.</i>
COURSE TITLE:	GUITAR I
Course Number: 3726 GUITAR I	The Guitar I course present fundamentals of music and guitar playing techniques, such as strumming and chords. The course may include more advanced guitar playing techniques.
COURSE TITLE:	GUITAR II
Course Number: 3727 GUITAR II	The Guitar II course is available to develop the student's guitar playing skills. Beginning music theory is taught. The course requires a notebook, textbook work and various playing assignments. The number of guitars available will determine maximum enrollment. <i>Recommendation: Completion of Guitar I</i>
COURSE TITLE:	INDIVIDUAL TECHNIQUE MUSIC
Course Number: 3731 INDV-TEC MUS	The Individual Technique Music course is designed to help percussion students further their musical skills outside of regular band class. Students will rehearse and perform with others. They will be taught music reading skills, musicality, music terminology, music history, and music theory. They will work on music to be performed with the marching and concert bands, as well as music to be performed on their own as a percussion ensemble.
COURSE TITLE:	INSTRUMENTAL ENSEMBLES
Course Number: 3743 INSTR ENSMBL	The Instrumental Ensembles course is designed as a supplemental ensemble to the Concert Band. This class will serve as an introduction to the rich history of jazz music. Through ensemble rehearsal, individual practice, and a variety of performance opportunities, the students will gain an understanding and appreciation for this great art form. Emphasis will be placed on not just performance technique, but also rudimentary improvisational skills, musicianship, and a sense of personal accountability. This ensemble is a skilled effort in which each student is expected to show technical and musical growth throughout this course. This course will also offer a dance level in which dancers will learn how to dance with joy, passion, and a respect for technique and history. Students in all grades will explore the diversity of the dance world through learning dance styles, techniques, and genres. <i>Recommendation: Students should be a current member of Band I-IV.</i>
COURSE TITLE:	MUSIC THEORY
Course Number: 3756 MUSIC THRY	The Music Theory course teaches an understanding of the fundamentals of music, and includes one or more of the following topics: composition, arrangement, analysis, aural development, and sight reading. Music Theory courses may or may not require previous musical experience. <i>Recommendation: Enrollment in a high school music performance group.</i>
COURSE TITLE:	MUSIC THEORY ADVANCED PLACEMENT
Course Number: 3651 AP MUSIC THRY	The Advanced Placement Music Theory course will serve to introduce, instruct, and prepare students in the categories of musicianship, theory, musical materials and procedures, notation practices, and compositional skill to the level needed to complete and pass the AP Music Theory Test. <i>Recommendation: Students should have completed Band 2 or Chorus 2 prior to enrolling in this class.</i>
COURSE TITLE:	MUSIC APPRECIATION MUSC 1120
Course Number:	The Music Appreciation MUSC 1120 is a dual credit class which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. This course is

3746 MSC HST/APP	an introduction to Western music, the music of other cultures, and styles of popular music. Students are encouraged to develop their own perspectives, talents, listening/critical skills, and appreciation for the musical interests of others. Sound and video recordings of music will play an integral part in the class.
COURSE TITLE:	MUSIC – ALTERNATE STANDARDS
Course Number: 7947 MUSIC ALT STR	The West Virginia alternate academic achievement standards for Music are written for students with significant cognitive disabilities with the understanding that the student's IEP will determine appropriate accommodations and modifications. In addition to the accommodations and modifications listed on the student's IEP, teacher selected scaffolding, guidance, and support are appropriate to best meet the individual student needs with increasing challenge as the learning progresses. The student will develop skills in reading and understanding music notation and explore the expressions and organization of musical ideas. Students study music as it relates to human experiences.

Fine and Performing Arts Education: Theater

COURSE TITLE:	THEATRE I
Course Number: 3801 THEATRE I	The Theatre I course provides students with the basics in theatre and drama, including an examination of all the jobs related to a theatrical presentation from play selection, acting, directing, scene design, sound and light design, costuming, make-up and publicity. An overview of the purposes and organization of theatre as well as knowledge of theatre history will be presented.
COURSE TITLE:	THEATRE II
Course Number: 3802 THEATRE II	The Theatre II students will write, perform, and evaluate theatre productions, identify and demonstrate selected historical styles of theatre/drama, and perform contemporary and classical characters' parts. Students explain basic properties of technical theatre and apply that knowledge and skill. They develop multiple interpretations for production choices and explain how other art forms enhance a theatre production. Analysis and critique of dramatic performances is required. After school hours are required. <i>Recommendation: Completion of Theatre I and/or audition.</i>
COURSE TITLE:	THEATRE III
Course Number: 3803 THEATRE III	The Theatre III students will collaborate in developing original dramatic pieces or short plays and will demonstrate ensemble in rehearsing and performing informal and formal theatre works. They will identify how scientific and technological advances have impacted theatre and will assist directors in developing safe production concepts. Students will also assist in creating and implementing a production. After school hours are required. <i>Recommendation: Completion of Theatre II and/or audition</i>
COURSE TITLE:	THEATRE IV
Course Number: 3804 THEATRE IV	The Theatre IV students will write scripts and will demonstrate artistic discipline to achieve ensemble in rehearsal and performance of informal and formal theatre works. They will explain how scientific and technological advances have impacted theatre and will collaborate with directors to develop unified production concepts. Students will collaborate with designers and actors and will be able to demonstrate direction skills. Students will develop and document evidence of their own artistic growth. After school hours are required. <i>Recommendation: Completion of Theatre III and/or audition.</i>
COURSE TITLE:	THEATRE INTRODUCTION/ APPRECIATION (SEMESTER)
Course Number: 3851 THTR INTRO	The Theatre Introduction/Appreciate course is designed to introduce students to the cultural appreciation of dramatic arts through lecture and activity projects as well as reading and viewing a variety of plays.
COURSE TITLE:	THEATRE/STAGECRAFT
Course Number: 3859	The Theatre/Stagecraft course is designed to develop key knowledge and background in techniques of technical theatre production. Areas studied include scenery, costuming, make-up, publicity, box office, house management, lighting, properties, and safety. Students

THTR/STAGE	must complete a project to enter the High School Drama Festival each spring. Full period and after school rehearsals are required.
COURSE TITLE:	THEATRE/STAGECRAFT-COMPREHENSIVE
Course Number: 3867 THTR/STG-CMP	The Theatre/Stagecraft-Comprehensive course is involved with advanced production techniques and practice of all areas of technical theatre necessary for mounting a full-scale theatrical production. Students must complete at least two projects to enter the State High School Drama Festival each spring. Full period and after-school rehearsals are required. <i>Recommendation: Completion of Theatre/Stage Craft.</i>

World Languages

COURSE TITLE:	FRENCH I
Course Number: 5621 FRENCH I	The French I course will develop the student's ability to speak, understand, read, and write in French at a basic level in familiar situations. It also integrates history, geography, literature, customs, and other aspects of the culture.
COURSE TITLE:	FRENCH II
Course Number: 5622 FRENCH II	The French II course provides listening, speaking, reading, and writing skills and French I skills are reintroduced and developed further with the expansion of cultural understanding. <i>Recommendation: Completion of French I.</i>
COURSE TITLE:	FRENCH III
Course Number: 5623 FRENCH III	The French III course is designed to further develop students' language abilities through a variety of contextualized topics in line with the themes and subthemes presented on the AP French Exam. The emphasis in French III is on the application of skills learned in French I and II. New language structures are minimized. Students will be introduced to French literature and history while continuing to practice speaking and listening skills. The content studies in French III provides an opportunity for students to study topics that prepare them for eventual college-level French courses. <i>Recommendation: Completion of French II.</i>
COURSE TITLE:	SPANISH I
Course Number: 5661 SPANISH I	The Spanish I course develops the student's ability to speak, understand, read, and write in Spanish at a basic level in familiar situations. It also integrates history, geography, literature, customs, and other aspects of culture within major Hispanic and Spanish communities across the globe. <i>Recommendation: Desire for language study.</i>
COURSE TITLE:	SPANISH II
Course Number: 5662 SPANISH II	The Spanish II course continues the mastery of the language through more advanced grammar and with more emphasis on reading and writing. Spanish is spoken more extensively in the classroom. Development of style and fluency and increased comprehension are to be achieved through contemporary materials such as newspaper, magazines, and technology. <i>Recommendation: Completion of Spanish I and a desire to commit to language study.</i>
COURSE TITLE:	SPANISH III
Course Number: 5663 SPANISH III	The Spanish III course develops further skills in Spanish and offers adventures into literature, both modern and classical authors, to be competitive in required college course. <i>Recommendation: Completion of Spanish I, II, and teacher recommendation.</i>
COURSE TITLE:	SPANISH IV
Course Number: 5664 SPANISH IV	The Spanish IV course develops further skills in Spanish and offers adventures into literature, both modern and classical authors, to be competitive in required college course. <i>Recommendation: Completion of Spanish I, II, III and teacher recommendation.</i>
COURSE TITLE:	ITALIAN I
Course Number: 5681 ITALIAN I	The Italian I course is designated as a beginning Italian course open to all students. Students are introduced to the Italian language and culture through a communicative approach based on comprehensible input in order to provide a basis for on-going development of competency in the four language skills in the three modes of communication. Focus is on the

	development of reading, writing, speaking, and listening skills by using the interpersonal, the interpretive, and the presentational modes of communication and on the study of the Italian culture through authentic resources and experiences.
COURSE TITLE:	ITALIAN II
Course Number: 5682 ITALIAN II	The Italian II course is designated as the continuation of Italian I. Students continue the study of the Italian language and culture through a communicative approach based on comprehensible input in order to provide a basis for on-going development of competency in the four language skills in the three modes of communication. Italian II will increase their ability to communicate and to gain cultural competence.
COURSE TITLE:	ELEMENTARY SPANISH SPN 1101
Course Number: 5663 SPANISH 1101	The Elementary Spanish 1101 dual credit course is the beginning semester of the elementary-level Spanish language sequence at FSU. During this semester, students will start to develop novice-mid proficiency levels as described in the 2012 ACTFL Proficiency Guidelines. Students will start to develop Spanish communicative skills that emphasize speaking, reading, writing, comprehension of grammar, and cultural knowledge of Spanish-speaking cultures and societies. <i>Recommendations: Spanish 1 and Spanish 2 with at least at B.</i>
COURSE TITLE:	ELEMENTARY SPANISH SPN 1102
Course Number: 5664 SPANISH 1102	The Elementary Spanish 1102 dual credit course is designed to continue to develop novice-mid to novice- high proficiency levels as describe in the ACTFL Proficiency Guidelines. Students will continue to learn Spanish communicative skills for speaking, writing, reading, comprehension of grammar, and cultural knowledge of Spanish speaking cultures. Students will receive 3 college credits from Pierpont Community Tech College. The class follows the syllabus for Fairmont State University. It is graded on weighted average on a 5.0 scale for the high school grade. There is a cost for the college enrollment. Credit is transferable. <i>Prerequisite: Spanish 1101</i>
COURSE TITLE:	SIGN LANGUAGE I
Course Number: 7659 SIGN LNG I	The Sign Language I course primarily focuses on the acquisition and development of communication skills. It also introduces students to aspects of the Deaf culture, encouraging them to compare the components of ASL with those of the English language and American culture(s). Students are encouraged to establish connections to the Deaf community and to carry their new knowledge and skills beyond the classroom and into the community at large.
COURSE TITLE:	DEAF CULTURE AND DEAF STUDIES AMSL 1101-V01
Course Number:	The Deaf Culture and Deaf Studies is a dual credit class which requires a Pierpont Community & Technical College tuition fee that introduces Deaf culture. Students will study Deaf history from the 1800s to the present. This course consists of 3 hours/week of lecture. This course will be taught online. ASL majors only.
COURSE TITLE:	DEAF CULTURE AND DEAF STUDIES AMSL 1101-V01
Course Number:	The Deaf culture and Deaf Studies is a dual credit class which requires a Pierpont Community & Technical College tuition fee that provides four major topics: Language, Language and culture, American Sign Language Structure, and Language Variation. This course consists of three hours/week lecture. ASL majors only.
COURSE TITLE:	AMERICAN SIGN LANGUAGE I AMSL 1111-V03
Course Number: 5691	The American Sign Language I is a dual credit class which requires a Pierpont Community & Technical College tuition fee. In this course attention is given to the proper syntax and basic grammatical constructs. Over 500 signs will be used on in this course enabling the student to express basic ideas. Nonverbal and pantomime will be emphasized. This course consists of 3 hours/week of lecture. Fall semester only. ASL majors only.
COURSE TITLE:	AMERICAN SIGN LANGUAGE I LAB AMSL1111-V04
Course Number:	The American Sign Language I Lab is a dual credit class which requires a Pierpont Community & Technical College tuition fee. In this course attention is given to the proper syntax and basic grammar constructs. Over 500 signs will be used in this course enabling the student to express basic ideas. Nonverbal and pantomime will be emphasized. This course consists of 3 hours/week of laboratory. Fall semester only. ASL majors only.
COURSE TITLE:	AMERICAN SIGN LANGUAGE II AMSL 1112-V03
Course Number: 5692	The American Sign Language I is a dual credit class which requires a Pierpont Community & Technical College tuition fee. In this course develop sign vocabulary with an introduction to idiomatic phrases. Emphasis will be placed on the use of classifiers, expressions, body

	posture, and signing space. This course consists of 3 hours/week of laboratory. Fall/Spring semester only. ASL majors only.
COURSE TITLE:	AMERICAN SIGN LANGUAGE II LAB AMSL1112-V04
Course Number:	The American Sign Language II Lab is a dual credit class which requires a Pierpont Community & Technical College tuition fee. In this course attention is given to the proper syntax and basic grammar constructs. Over 500 signs will be used in this course enabling the student to express basic ideas. Nonverbal and pantomime will be emphasized. This course consists of 3 hours/week of laboratory. Fall semester only. ASL majors only.
COURSE TITLE:	AMERICAN SIGN LANGUAGE III AMSL 1113-V03
Course Number: 5693	The American Sign Language III is a dual credit class which requires a Pierpont Community & Technical College tuition fee. This course intensifies sign vocabulary. Students use familiar signs and learn the differences in meaning through the use of non-manual gestures. Students will be able to engage in full conversations using the nature context of American Sign Language. This course consists of 3 hours/week of lecture. Spring semester only.
COURSE TITLE:	AMERICAN SIGN LANGUAGE III LAB AMSL1113-V03
Course Number:	The American Sign Language III Lab is a dual credit class which requires a Pierpont Community & Technical College tuition fee This course intensifies sign vocabulary. Students use familiar signs and learn the differences in meaning through the use of non-manual gestures. Students will be able to engage in full conversations using the nature context of American Sign Language. This course consists of 3 hours/week of lecture. Spring semester only.
COURSE TITLE:	AMERICAN SIGN LANGUAGE IV AMSL 1114-V03
Course Number: 5694	The American Sign Language IV is a dual credit class which requires a Pierpont Community & Technical College tuition fee. This course provides slang, "home signs", idioms and signs that have become obsolete or are native to specific geographic areas are learned and used. This course consists of 3 hours/week of lecture. Spring semester only.
COURSE TITLE:	AMERICAN SIGN LANGUAGE IV LAB AMSL1114-V04
Course Number:	The American Sign Language III Lab is a dual credit class which requires a Pierpont Community & Technical College tuition fee. This course intensifies sign vocabulary. Students use familiar signs and learn the differences in meaning through the use of non-manual gestures. Students will be able to engage in full conversations using the nature context of American Sign Language. This course consists of 3 hours/week of lecture. Spring semester only.
COURSE TITLE:	AMERICAN SIGN LANGUAGE V ITTP2200-V01
Course Number:	The American Sign Language IV is a dual credit class which requires a Pierpont Community & Technical College tuition fee. In this course the primary emphasis is placed on the advanced development of ASL expressive and receptive skills. Language in a natural context using the proper expressions and grammatical structures will be applied. Phrasal vocabulary and components of storytelling will be introduced.
COURSE TITLE:	AMERICAN SIGN LANGUAGE VI ITTP2204-V01
Course Number:	The American Sign Language IV is a dual credit class which requires a Pierpont Community & Technical College tuition fee. In this course develop sign vocabulary with an introduction to idiomatic phrases. Emphasis will be placed on the use of classifiers, expressions, body posture, and signing space. This course consists of 3 hours/week of laboratory. Fall/Spring semester only. ASL majors only.

Miscellaneous: Credit and Non-Credit Courses

IMPORTANT: If you choose to be a Teacher's Aide, Peer Tutor or to enroll in other non-credit courses, your GPA may be affected and your rank in class lowered.

COURSE TITLE:	INTRODUCTION TO AVIATION MAINTENANCE – AVMT 1101
Course Number: 7701	The Introduction to Aviation Maintenance course is a dual credit class (elective) which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. It is a study of the fundamentals of Aviation Maintenance. Topics include aircraft familiarization, nomenclature, materials, hardware use on aircraft, theory of flight, basic physics, and basic mathematical functions. (Meets FAR 147 requirements.)
COURSE TITLE:	AIRCRAFT REGULATIONS & PUBLICATIONS – AVMT 1102
	The Aircraft Regulations & Publications course is a dual credit class (elective) which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. It is a study of federal aviation regulations, maintenance publications, weight and balance, technical drawings, charts, and graphs. (Meets FAR 147 requirements.)
COURSE TITLE:	AVIATION SHOP PRACTICES – AVMT 1103
Course Number: 7702	The Aviation Shop Practices course is a dual credit class (elective) which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. It is a study of the use of basic hand tools and power equipment, shop safety, aircraft fluid lines and fittings, aircraft cleaning and corrosion control. The use and care of precision measuring equipment and the use and interpretation of various nondestructive inspection methods. (Meets FAR 147 requirements.)
COURSE TITLE:	AIRCRAFT UTILITY SYSTEMS – AVMT 1105
Course Number: 7703	The Aircraft Utility Systems course is a dual credit class (elective) which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. This course covers the areas of airframe ice and rain control systems, fire protections systems (airframe and engine), and fuel systems (airframe and engine). Transport aircraft systems including doors, lavatory systems, galley systems, passenger service units, windows, emergency equipment, and cargo loading systems. (Meets FAR 147 requirements.)
COURSE TITLE:	AVIATION ELECTRONICS – AVMT 1109
Course Number: 7786	The Aviation Electronics course is a dual credit class (elective) which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. This course examines the fundamental principles of electronics as applied to aircraft electrical systems. Specific topics covered include DC-AC, series parallel circuits, circuit analysis theorems, transistors, digital theory, and devices. (Meets FAR 147 requirements.) <i>Prerequisites: AVMT 1101, AVMT 1103, or permission from instructor.</i>
COURSE TITLE:	AIRCRAFT POWER GENERATION AND DISTRIBUTION SYSTEMS – AVIO 1110
	The Aircraft Power Generation and Distribution Systems course is a dual credit class (elective) which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. This course examines DC and AC power generation systems, generator paralleling, voltage regulation, power distribution and circuit protection devices, DC and AC machines used in aircraft systems. Emphasis is on developing an understanding of the systems adequate to test, inspect, troubleshoot, and repair at the component system and systems levels. (Meets FAR 147 requirements.) <i>Prerequisites: AVMT 1109 or permission from instructor.</i>
COURSE TITLE:	RECIPROCATING ENGINES AND SYSTEMS – AVMT 2201
	The Reciprocating Engines and Systems course is a dual credit class (elective) which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. This course emphasizes the principles of operation, nomenclature, construction, and system design for reciprocating engine applications in fixed and rotary wing aircraft. (Meets FAR 147 requirements.) <i>Prerequisites: AVMT 1102, AVMT 1103, or permission from instructor.</i>
COURSE TITLE:	AIRCRAFT SHEET METAL STRUCTURES – AVMT 2202
Course Number:	The Aircraft Sheet Metal Structures course is a dual credit class (elective) which requires a Pierpont Community & Technical College tuition fee for three hours of college credit. This

7704	course covers all aspects of sheet metal structures and aircraft welding. A strong emphasis is placed on acquiring hands-on skills. (Meets FAR 147 requirements.) <i>Prerequisites: AVMT 1102, AVMT 1103, or permission from instructor.</i>
COURSE TITLE:	INTRODUCTION TO AVIATION – AVMA 1100
Course Number: 7591 INTRO AVIATION	The Introduction to Aviation course is a dual credit class (elective) which requires a Fairmont State University tuition fee for three hours of college credit. This course exists to help the student get the overall picture of what aviation offers in careers, including a general overview of how this whole aviation thing works. The course serves as a “gateway” course that will help the student explore their options and perhaps clarify their career goals at the onset of their college experience. The course will also introduce students to the fundamental Dynamics of Flight, aircraft components and systems, regulations, airspace, navigation, airports, and aviation weather.
COURSE TITLE:	PRIVATE PILOT TECHNOLOGY – AVMA 1101-01
Course Number: 7592 PILOT TECH	The Private Pilot Technology course is a dual credit class (elective) which requires a Fairmont State University tuition fee for three hours of college credit. This course provides the Private Pilot Technology and Aviation Management students with the basic knowledge required to pass the F.A.A. Private Pilot Knowledge Exam. Furthermore, this course provides a description of basic aviation and aerodynamic procedures and phraseology. Topics include Aerodynamic principles, flight theory, airplane systems, flight environment, communication, flight information, meteorology, weather data, aircraft performance and navigation.
COURSE TITLE:	GENERAL COMPUTER APPLICATIONS – BISM 1200
Course Number: 2846 GEN CMPT APP	The General Computer Applications course is a dual credit class which requires a Fairmont State University tuition fee for three hours of college credit. This course provides an overview of the current state of computing and its social implications. This is intended to be used as an introductory course for majors and non-majors. Topics include organization of a computer system, examination of computing disciplines, social implications of computing, problem solving using productivity software applications, and investigations of emerging areas in information systems.
COURSE TITLE:	COMPUTER SCIENCE IN THE MODERN WORLD
Course Number: 2872 COM SCI MOD	The Computer Science in the Modern World course is appropriate for 9th and 10th grade students. The course takes a wide lens on computer science by covering topics such as programming, physical computing, HTML/CSS, and data. The course inspires students as they build their own websites, apps, games, and physical computing devices. There are no prerequisites required for this course.
COURSE TITLE:	WORK-BASED INTEGRATION AND TRANSITION
Course Number: 0520 WKBD INTE/TRAN	The Work-Based Integration and Transition course gives students the opportunity to integrate theory and practice by interacting with industry professionals. Students will study various requirements for employability including ethics, communication, teamwork and professionalism. Students will participate in hands-on, digital or work based experiences related to industry settings in order to practice skill sets and to transition from student to employee. A supervised project will be developed in one or more of the following categories: Entrepreneurship (ownership or operation of a business); Placement (employment or internship); Research and Experimentation (planning and/or conducting a scientific experiment); Exploration (exploration of related careers through activities such as shadowing employees in various work settings, conducting on-line research, attending professional development activities, etc.).
COURSE TITLE:	PARENTING AND CHILD DEVELOPMENT
0902 PCD	The Parenting and Child Development course is held at East Fairmont High School. The daycare is operated by North Central WV Community Actin/Head Start Program and provides daycare for low-income families and for high school students who have children. Enrolled students who have children are generally required to volunteer in the center one period per day. Other students may also sign up to volunteer in the center. Students will observe and assist the day care staff. Grading is based on participation and completion of require duties such as, reading, playing and interacting with the children.
COURSE TITLE:	THE EDUCATION PROFESSION
Course Number: 1022 ED PROF	The Education Professional course is a dual credit Fairmont State University course designed to introduce prospective teachers to their future roles as reflective and responsive educators in the profession of education by investigating selected philosophical, historical, and social foundations of educations in the United States. More

	specifically it will enable students in a diverse society to develop an understanding of: the professional aspects of teaching prior to initiating the formulation of their own style of planning, delivering, managing, and evaluating the teaching-learning process, the classical philosophical concepts and their impact on educational views and classroom practices, recent developments in the professional through selective investigation of their antecedents, our society by examining our schools and how they reflect the human diversity within our culture, and the impact of technology on education and society.
COURSE TITLE:	BUSINESS COMPUTER LITERACY
Course Number: 1415 BUS CMPT LIT	The Business Computer Literacy course will explain and illustrate how to perform the various functions in each of the Microsoft applications. Each exercise will contain notes, illustrations, application problems, step-by-step directions and illustrations of keystrokes or mouse actions. The following software applications will be covered: a) Microsoft Word; b) Access; c) Excel; and d) PowerPoint. An integration section includes "OLE (Object Linking and Embedding) and challenging activities that require integrating files from several programs in the office suite.
COURSE TITLE:	COMPUTER SCIENCE: CS PRINCIPLES: AP COMPUTER SCIENCE PRINCIPLES
Course Number: 2806 AP COM SCI PRI	AP Computer Science Principals (AP CSP) is an introductory level course that introduces students to the inner workings of the internet and computers through a series of "unplugged" and "plugged" lessons. Unplugged lessons serve to model the technological process without the use of technology while plugged lessons make use of technical tools developed and maintained by Code.org.
COURSE TITLE:	COMPUTER SCIENCE: CS PRINCIPLES A: COMPUTER SCIENCE IN THE MODERN WORLD
Course Number: 2872 COM SCI MOD WLD (Elective)	The Computer Science: U Teach CS Principals A course has been designed as a year-long high school course that fully addresses the seven "Big Ideas" of computer science and six "Computational Thinking Practices". The lessons and materials used throughout this course incorporate Project-Based Learning, a pedagogical approach that actively engages students in the educational process, improves retention, and develops problem solving, critical thinking, and group communication skills. Through this collaborative, learner-centric approach, students are encouraged to explore the advantages and societal impact of computational technology while developing their own programming and computational thinking skills.
COURSE TITLE:	HUMANITIES
Course Number: 4611 BIBLICAL HIS	The Humanities course is a study of the Bible as a historical document and literary work, as well as reviewing its contents and structure, this course also addresses the effect of Hebrew culture on its development and the Bible's historical impact on the development of present-day culture and literature.
COURSE TITLE:	ADDITIONAL PROCEDURES/WORKPLACE SKILLS I
Course Number: 7605	The Additional Procedures and Workplace Skills Course is a comprehensive curriculum that provides exploration, training, and assessment through hands-on experience, in a simulated work environment, while learning important career/vocational and life skills. The curriculum works in five career areas: Business/Marketing, Construction/Industrial, Consumer/Service, Processing/Production, and Computer/Technology. Enrollment in this course is based on recommendation by the IEP Team.
COURSE TITLE:	ADDITIONAL PROCEDURES/WORKPLACE SKILLS II
Course Number: 7606	The Additional Procedures and Workplace Skills Course is a comprehensive curriculum that provides exploration, training, and assessment through hands-on experience, in a simulated work environment, while learning important career/vocational and life skills. The curriculum works in five career areas: Business/Marketing, Construction/Industrial, Consumer/Service, Processing/Production, and Computer/Technology. Enrollment in this course is based on recommendation by the IEP Team.
COURSE TITLE:	ADDITIONAL PROCEDURES/WORKPLACE SKILLS III
Course Number: 7607	The Additional Procedures and Workplace Skills Course is a comprehensive curriculum that provides exploration, training, and assessment through hands-on experience, in a simulated work environment, while learning important career/vocational and life skills. The curriculum works in five career areas: Business/Marketing, Construction/Industrial, Consumer/Service, Processing/Production, and Computer/Technology. Enrollment in this course is based on recommendation by the IEP Team.

COURSE TITLE:	ADDITIONAL PROCEDURES/WORKPLACE SKILLS IV
Course Number: 7608	The Additional Procedures and Workplace Skills Course is a comprehensive curriculum that provides exploration, training, and assessment through hands-on experience, in a simulated work environment, while learning important career/vocational and life skills. The curriculum works in five career areas: Business/Marketing, Construction/Industrial, Consumer/Service, Processing/Production, and Computer/Technology. Enrollment in this course is based on recommendation by the IEP Team.
COURSE TITLE:	DAILY LIVING SKILLS I
Course Number: 7610 LIVING SKILLS I	The Daily Living Skills course is designed to teach basic daily living skills for students to function and be independent in the real world. The IEP Team will identify the goals regarding nutrition and food preparation. manners, clothing care, home care, toileting, grooming and hygiene skills, recreation and leisure, wellness and safety, consumer skills, community services, and transportation. Enrollment in this course is based on recommendation by the IEP Team.
COURSE TITLE:	DAILY LIVING SKILLS II
Course Number: 7561 LIVING SKILLS II	The Daily Living Skills course is designed to continue to teach basic daily living skills for students to function and be independent in the real world. The IEP Team will identify the goals regarding nutrition and food preparation. manners, clothing care, home care, toileting, grooming and hygiene skills, recreation and leisure, wellness and safety, consumer skills, community services, and transportation. Enrollment in this course is based on recommendation by the IEP Team.
COURSE TITLE:	DAILY LIVING SKILLS III
Course Number: 7562 LIVING SKILLS III	The Daily Living Skills course is designed to refine basic daily living skills for students to function and be independent in the real world. The IEP Team will identify the goals regarding nutrition and food preparation. manners, clothing care, home care, toileting, grooming and hygiene skills, recreation and leisure, wellness and safety, consumer skills, community services, and transportation. Enrollment in this course is based on recommendation by the IEP Team.
COURSE TITLE:	DAILY LIVING SKILLS IV
Course Number: 7563 LIVING SKILLS IV	The Daily Living Skills course is designed to master basic daily living skills for students to function and be independent in the real world. The IEP Team will identify the goals regarding nutrition and food preparation. manners, clothing care, home care, toileting, grooming and hygiene skills, recreation and leisure, wellness and safety, consumer skills, community services, and transportation. Enrollment in this course is based on recommendation by the IEP Team.
COURSE TITLE:	SUPPORTED EMPLOYMENT
Course Number: 7612	The Supported Employment course is designed for students to develop and maintain positive working relationships among people in the community. The IEP Team in conjunction with the Job Coach identify goals that assist the student in facilitating movement from school to post-school activities, including integrated employment and adult education and training. Activities include instruction, community experiences, and development of employment. If appropriate, services include acquisition of daily living skills and a provision of a functional vocational evaluation. Activities are based on an individual student's needs and must take into account the student's preferences and interests. Enrollment in this course is based on recommendation by the IEP Team and approval by the Job Coach.
COURSE TITLE:	WORKPLACE SKILLS
Course Number: 7613	The Workplace Skills course is designed for students to develop and maintain positive working relationships among people in the community. The IEP Team in conjunction with the Job Coach identify goals that assist the student in developing the skills necessary to complete tasks in the workplace. Activities include, but are not limited to, sort objects, basic assembly, basic food preparation and clean up, proper use of basic household tools, follow a schedule for general cleaning, and basic clerical tasks. Students enrolled in Workplace Skills will also need to develop appropriate behaviors for the workplace and develop skills to interact with others. Activities are based on an individual student's needs and must take into account the student's preferences and interests. Enrollment in this course is based on recommendation by the IEP Team and approval by the Job Coach.
COURSE TITLE:	CAREER AWARENESS
Course Number: 7625	The Career Awareness course is designed for students to develop the skills necessary to access the workplace. The IEP Team in conjunction with the Job Coach identify goals that assist the student in demonstrating knowledge related to career awareness. Activities

	include, but are not limited to, expanding vocabulary to include terms used in employment situations, identify the role of employment in building personal and social relationships, identify ways in which different workers are dependent on each other, and identify necessary aptitudes related to an occupational choice. Activities are based on an individual student's needs and must take into account the student's preferences and interests. Enrollment in this course is based on recommendation by the IEP Team and approval by the Job Coach.
COURSE TITLE:	CAREER EXPLORATION
Course Number: 7627	The Career Exploration course is designed for students to refine the skills necessary to access the workplace. The IEP Team in conjunction with the Job Coach identify goals that assist the student in exploring future vocations by completing tasks with greater skill and accuracy. Activities include, but are not limited to, identify aptitudes required by specific jobs, identify employer responsibilities, identify traits needed for continued employment, and demonstrate an awareness and knowledge of the rights of a worker. Activities are based on an individual student's needs and must take into account the student's preferences and interests. Enrollment in this course is based on recommendation by the IEP Team and approval by the Job Coach.
COURSE TITLE:	CAREER PREPARATION
Course Number: 7629	The Career Preparation course is designed for students to master the skills necessary to access the workplace. The IEP Team in conjunction with the Job Coach identify goals that assist the student in becoming aware of means to obtain employment and identify ways to keep a job. Activities include, but are not limited to, maintain job performance acceptable to the supervisor, identify methods for dealing with adjustment problems on the work site, become familiar with information required on job applications, and identify personal traits considered important for an employee. Activities are based on an individual student's needs and must take into account the student's preferences and interests. Enrollment in this course is based on recommendation by the IEP Team and approval by the Job Coach.
COURSE TITLE:	BRAILLE
Course Number: 7621 BRAILLE	The Braille course is designed to provide instruction in braille and use of braille to enable a blind or visually impaired child to communicate effectively and efficiently with the same level of proficiency expected of the child's peers of comparable ability or grade level.
COURSE TITLE:	COMMUNITY SERVICES
Course Number: 7631 COMMUN SERV	The Community Services course is designed for students to develop and maintain positive working relationships among people within the school and between the school and community using all applicable objectives from the Journalism standards in addition to specific standards dealing with public relations.
COURSE TITLE:	LEARNING SKILLS
Course Number: 7653 LRN SKILLS	The Learning Skills course offers students strategies and techniques to enhance the learning process so that students can perform more efficiently and effectively in the school setting. Students will acquire and strengthen skills to be socially and academically successful. The course will focus on skills in self-awareness and self-management, social-awareness and interpersonal skills, decision-making skills, and responsible behaviors.
COURSE TITLE:	TEST STRATEGIES (SEMESTER)
Course Number: 7661 TEST STRAT	The Test Strategies course is a semester course designed to assist students in grades 10, 11, and 12 in preparing to take the ACT test. This course will provide an overview of the test, practical test taking strategies, and an opportunity to complete a simulated full-length ACT Test. <i>Recommendation: Grade of C or above in core classes.</i>
COURSE TITLE:	TRAVEL WEST VIRGINIA
Course Number: 7663 TRAVEL WV	The Travel West Virginia course provides students with awareness of the impact of tourism in West Virginia and the impact that tourism has on the lives of people of West Virginia. Classroom instruction integrates learning skills, technology tools, and content standards and objectives to provide knowledge and understanding of the nine tourism regions of the state, the history, the heritage, the culture, and the geography of the state as related to tourism. Students also investigate and explore the role that marketing plays in building our tourism industry and the careers available to them in this hospitality industry.
COURSE TITLE:	COLLEGE 101
Course Number: 7677 COLLEGE 101	The College 101 course is a college success and orientation course designed to develop confidence and improve chances of student success and retention. It will provide students with active participation in the assessment and development of abilities in line with college expectations including an orientation to college services and activities, learning and test

	taking skills, using traditional and electronic resources, problem solving, people skills, self-management skills, and career/life planning strategies. The CSOs have been provided by WVSCTC.
COURSE TITLE:	GLOBALORIA 1
Course Number: 7692 GLOBALORIA 1	The Globaloria 1 students exercise 21st Century Learning Skills to create an educational computer game using Adobe Flash software. Students will hone skills in collaboration, problem solving, and professional conduct within social networks, blogging, research, and presentations through video and teleconferencing, and computer coding. Students will interact with other Globaloria schools and staff and will present their games to Globaloria professionals (located in Brooklyn, NY) via computer conferencing.
COURSE TITLE:	GLOBALORIA 2
Course Number: 7693 GLOBALORIA 2	The Globaloria 2 students continue to exercise 21st Century Learning Skills to create an educational computer game using Adobe Flash software. Students will hone skills in collaboration, problem solving, and professional conduct within social networks, blogging, research, and presentations through video and teleconferencing, and computer coding. Students will interact with other Globaloria schools and staff and will present their games to Globaloria professionals (located in Brooklyn, NY) via computer conferencing.
COURSE TITLE:	GLOBALORIA 3
Course Number: 7699 GLOBALORIA 3	The Globaloria 2 students continue to exercise 21st Century Learning Skills to create an educational game - HTML WebDesign and the Javascript Language. Students will hone skills in collaboration, problem solving, and professional conduct within social networks, blogging, research, and presentations through video and teleconferencing, and computer coding. Students will interact with other Globaloria schools and staff and will present their games to Globaloria professionals (located in Brooklyn, NY) via computer conferencing.
COURSE TITLE:	GLOBALORIA 4
Course Number: 7700 GLOBALORIA 4	The Globaloria 4 students continue to exercise 21st Century Learning Skills to create an educational 3D game using the Unity platform. Students will hone skills in collaboration, problem solving, and professional conduct within social networks, blogging, research, and presentations through video and teleconferencing, and computer coding. Students will interact with other Globaloria schools and staff and will present their games to Globaloria professionals (located in Brooklyn, NY) via computer conferencing.
COURSE TITLE:	MENTORSHIP
Course Number: 7811 MENTORSHIP	The Mentorship course is designed to assist students' development in civic awareness, a sense of responsibility, leadership skills, leadership roles, and compassion for one's peers. Students provide tutorial and peer support services. Logs of all work accomplished are maintained. Projects are assigned and approved by the instructor. <u>Credit</u> is awarded for this course. <i>Recommendation: Teacher and principal recommendation.</i>
COURSE TITLE:	TEACHER'S AIDE
Course Number: 7827 TEACHER AIDE	The Teacher's Aide students assist with routine classroom tasks as assigned by teacher. <u>No credit</u> is awarded for this course. <i>Recommendation: Teacher and principal recommendation.</i>
COURSE TITLE:	TUTORING (PEER TUTORING)
Course Number: 7831 TUTOR	The Peer Tutoring course is designed to help students develop civic awareness, a sense of responsibility, leadership skills and compassion for one's peers. Students provide tutorial, clerical, and peer support services in Peer Tutoring. Logs of all work accomplished are maintained. Assigned projects include a research paper on a special education topic approved by the instructor and the critiquing of five current articles on special education issues. <i>Recommendations: Per application.</i>

Career and Technical Education (CTE)



Agriculture, Food & Natural Resources



Architecture & Construction



Arts, A/V Technology & Communications



Business Management & Administration



Education & Training



Finance



Government & Public Administration



Health Science



Hospitality & Tourism



Human Services



Information Technology



Law, Public Safety, Corrections & Security



Manufacturing



Marketing



Science, Technology, Engineering & Mathematics



Transportation, Distribution & Logistics

Personalized concentrations will be selected from locally approved courses listed in the Marion County Schools Curriculum Course Guide to attain individual career and postsecondary goals.

To access concentrations and course information for the listed career clusters go to:

<http://careertech.k12.wv.us>

AGRICULTURE, FOOD & NATURAL RESOURCES CLUSTER

PROGRAMS OF STUDY:
Animal Systems
Animal Processing
Natural Resources Management

PROGRAM OF STUDY: AGO220 ANIMAL SYSTEMS

COURSE TITLE:	INTRODUCTION TO AGRICULTURE, FOOD & NATURAL RESOURCES
Course Number: 0101 INTR AG FDNR REQUIRED	The Instruction to Agriculture, Food & Natural Resources is a core course for the Agriculture, Food and Natural Resources Career Cluster that builds a knowledge base and technical skills in all aspects of the industry. Learners will be exposed to a broad range of agriculture, food, and natural resources careers. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	ANIMAL PRODUCTION AND MANAGEMENT
Course Number: 0140 ANML PROD MG REQUIRED	The Animal Production and Management course is designed to be a core course in the Animal Systems Program of Study. The course will cover topics on animal restraint, animal management techniques, animal health and welfare, balancing rations, pedigree analysis and entrepreneurship. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets
COURSE TITLE:	AGRICULTURAL EXPERIENCE PROGRAM
Course Number: 0134 AG EXPER PRG REQUIRED	The Supervised Agricultural Experience program is a hands-on, student planned way for them to apply skills learned in the classroom to real world agricultural experiences. With help from their agricultural teachers, students develop an SAE project based on one or more SAE categories: Entrepreneurship, Placement, Research and Experimentation and Exploratory.
COURSE TITLE:	LIVESTOCK PRODUCTION
Course Number: 0230 LIVESTOCK PR REQUIRED ELECTIVE – 0230, 0149, 2007, OR 0139	The Livestock Production is a specialization course designed for students interested in entering the livestock industry as a herd manager or livestock entrepreneur. The course will cover topics on nutrient management, farm planning, business planning, developing marketing plans, developing feed rations, forages, grassland management, embryo transfer and animal facilities as they apply to various livestock such as cattle, swine, sheep, goats, poultry and horses. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	COMPANION ANIMAL CARE
Course Number: 0149 COMP ANML CR	The Companion Animal Care is a specialization course designed for students interested in entering the companion animal industry as a pet groomer, animal care giver and/or companion animal entrepreneur. The course will cover topics on grooming, animal restraint, developing feed rations, business planning, developing marketing plans and animal facilities as they apply to various companion animals such as dogs, cats, rodents, birds, reptiles,

REQUIRED ELECTIVE – 0230, 0149, 2007, OR 0139	amphibians, and fish. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	EQUINE SCIENCE
Course Number: 2007 EQSTRN SCI REQUIRED ELECTIVE – 0230, 0149, 2007, OR 0139	The Equine Science specialized course focuses on the basic scientific principles and processes related to equine physiology, breeding, nutrition, and management practices involved in the equine industry. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	FUNDAMENTALS OF ANIMAL PROCESSING
Course Number: 0139 FUND ANML PR REQUIRED ELECTIVE – 0230, 0149, 2007, OR 0139	The Fundamental of Animal Processing course introduces students to the principles and applications of animal processing. Students will learn carcass grading, primal and retail cuts, workplace safety, how to process primal and retail cuts, and entrepreneurship. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.

PROGRAM OF STUDY: AG0230 ANIMAL PROCESSING

COURSE TITLE:	INTRODUCTION TO AGRICULTURE, FOOD & NATURAL RESOURCES
Course Number: 0101 INTR AG FDNR REQUIRED	The Instruction to Agriculture, Food & Natural Resources is a core course for the Agriculture, Food and Natural Resources Career Cluster that builds a knowledge base and technical skills in all aspects of the industry. Learners will be exposed to a broad range of agriculture, food, and natural resources careers. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	FUNDAMENTALS OF ANIMAL PROCESSING
Course Number: 0139 FUND ANML PR REQUIRED ELECTIVE – 0230, 0149, 2007, OR 0139	The Fundamental of Animal Processing course introduces students to the principles and applications of animal processing. Students will learn carcass grading, primal and retail cuts, workplace safety, how to process primal and retail cuts, and entrepreneurship. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	AGRICULTURAL EXPERIENCE PROGRAM
Course Number: 0134 AG EXPER PRG REQUIRED	The Supervised Agricultural Experience program is a hands-on, student planned way for them to apply skills learned in the classroom to real world agricultural experiences. With help from their agricultural teachers, students develop an SAE project based on one or more SAE categories: Entrepreneurship, Placement, Research and Experimentation and Exploratory.
COURSE TITLE:	ANIMAL PROCESSING - RETAIL
Course Number: 0151 ANIMAL PROC	The Supervised Agricultural Experience program is a hands-on, student planned way for them to apply skills learned in the classroom to real world agricultural experiences. With help from their agricultural teachers, students develop an SAE project based on one or more SAE categories: Entrepreneurship, Placement, Research and Experimentation and Exploratory.

PROGRAM OF STUDY: AG0170 NATURAL RESOURCES MANAGEMENT

COURSE TITLE:	INTRODUCTION TO AGRICULTURE, FOOD & NATURAL RESOURCES
Course Number: 0101 INTR AG FDNR REQUIRED	The Instruction to Agriculture, Food & Natural Resources is a core course for the Agriculture, Food and Natural Resources Career Cluster that builds a knowledge base and technical skills in all aspects of the industry. Learners will be exposed to a broad range of agriculture, food, and natural resources careers. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	NATURAL RESOURCES MANAGEMENT
Course Number: 0200 NAT RES MGMT	Natural Resources Management covers topics on soil and water conservation, basic wildlife management, environmental law and regulations, basic forestry, and land management. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	AGRICULTURAL EXPERIENCE PROGRAM
Course Number: 0134 AG EXPER PRG REQUIRED	The Supervised Agricultural Experience program is a hands-on, student planned way for them to apply skills learned in the classroom to real world agricultural experiences. With help from their agricultural teachers, students develop an SAE project based on one or more SAE categories: Entrepreneurship, Placement, Research and Experimentation and Exploratory.
COURSE TITLE:	FOREST MANAGEMENT
Course Number: 0183 FOREST MGMT	Forest Management is designed to be a basic forestry course for students interested in forestry. The course will cover topics on best management practices, timber felling basics, dendrology, tree measurement basics, water quality, forest fire, read topography maps and basic log road layout, forest hazards ID, basic forestry concepts of edge, diversity, succession and structure, forest business and economics, forest insects, forest disease, and entrepreneurship. Students 32 utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.

Architecture and Construction Cluster

PROGRAM OF STUDY: CARPENTRY	PROGRAM OF STUDY: ELECTRICAL TRADE	PROGRAM OF STUDY: SURVEYING TECHNOLOGY PROGRAM
Carpentry I	Electrical Trades I	Basic Surveying
Carpentry II	Electrical Trades II	Boundary Comprehension
Carpentry III	Electrical Trades III	
Carpentry IV	Electrical Trades IV	
Basic Plumbing and Electricity	Rotating Devices and Control Circuitry	
Blueprint Reading for Construction	National Electrical Code	
Concrete Finishing	Rotating Devices and Control Circuitry	
Masonry and Plumbing	Industrial and Commercial Wiring	
	Integrated Electrical Lab	

PROGRAM OF STUDY: AR 1820 CARPENTRY

COURSE TITLE:	CARPENTRY I
Course Number: 1842 CARPENTRY I REQUIRED	The Carpentry I course introduces the student to the knowledge base and technical skills of the carpentry industry. Carpentry I begins with the NCCER Core curriculum which is a prerequisite to all Level I completions. The students will complete modules in Basic Safety; Introduction to Construction Math; Introduction to Hand Tools; Introduction to Power Tools; Introduction to Construction Drawings; Basic Rigging; Basic Communication Skills; Basic Employability Skills; and Introduction to Materials Handling. Students will then begin developing skill sets related to the fundamentals of Carpentry such as Orientation to the Trade; Building Materials, Fasteners, and Adhesives; and Hand and Power Tools. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. First Year Course, only offered at MCTC and East, but any student may take the course.
<i>Grades 10 – 12</i>	
COURSE TITLE:	CARPENTRY II
Course Number: 1843 CARPENTRY II REQUIRED	The Carpentry II course will continue to build student skill sets in areas such as Reading Plans and Elevations; Floor Systems, Wall and Ceiling Framing; Roof Framing; Introduction to Concrete, Reinforcing Materials, and Forms; Windows and Exterior Doors; Basic Stair Layout. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. First Year Course, only offered at MCTC, but any student may take the course.
<i>Grades 10-12.</i>	
COURSE TITLE:	CARPENTRY III
Course Number: 1844 CARPENTRY III REQUIRED	The Carpentry III course will continue to build student skill sets in the areas of Commercial Drawings; Roofing Applications; Thermal and Moisture Protection; and Exterior Finishing. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. Second Year Course, only offered at MCTC, but any student may take the course.
<i>Grades 11-12.</i>	
COURSE TITLE:	CARPENTRY IV
Course Number: 1845 CARPENTRY IV REQUIRED	The Carpentry IV course will continue to build student skill sets in areas of Cold-Formed Steel Framing; Drywall Installation; Drywall Finishing; Doors and Door Hardware; Suspended Ceilings; Window, Door, Floor, and Ceiling Trim; Cabinet Installation; and Cabinet Fabrication. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. Second Year Course, only offered at MCTC, but any student may take the course.
<i>Grades 11-12.</i>	
COURSE TITLE:	BASIC PLUMBING AND ELECTRICITY
Course Number: 1803 FAC-PLBG/ELEC RECOMMENDED ELECTIVE	The Basic Plumbing and Electricity course introduces the student to the knowledge base and technical skills for concepts in Basic Plumbing and Electricity. Areas of study include basic plumbing skills, advanced plumbing repair and basic electrical skills. Emphasis will be placed on career exploration, job seeking skills and personal and professional ethics. Safety instruction is integrated into all activities. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts, and teachers should provide each student with real world learning opportunities and instruction related to facilities maintenance occupations.

COURSE TITLE:	BLUEPRINT READING FOR CONSTRUCTION
Course Number: 1822 BLPRT RDG CN RECOMMENDED ELECTIVE	The Blueprint Reading for Construction course introduces the student to the knowledge base and technical skills for concepts in the Building Construction Program of Study. Areas of study include identifying various blueprints, terms, symbols, components, dimensions, classifications, and construction task objectives. Emphasis will be placed on career exploration, job seeking skills and personal and professional ethics. Safety instruction is integrated into all activities. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts, and teachers should provide each student with real world learning opportunities and instruction related to construction blueprints.
COURSE TITLE:	CONCRETE FINISHING
Course Number: 1821 BLDCNS-CNCRT RECOMMENDED ELECTIVE	The Concrete Finishing course introduces the student to the knowledge base and technical skills for concepts in the Building Construction Program of Study. Areas of study include estimation, concrete construction, finishing concepts, properties of concrete, tools and equipment, concrete placement, work site preparation, finishing techniques, curing and protecting and troubleshooting concrete problems. Emphasis will be placed on career exploration, job seeking skills and personal and professional ethics. Safety instruction is integrated into all activities. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts, and teachers should provide each student with real world learning opportunities and instruction related to concrete finishing.
COURSE TITLE:	MASONRY AND PLUMBING
Course Number: 1829 BLDCNS-MASON RECOMMENDED ELECTIVE	The Masonry and Plumbing course introduce the student to the knowledge base and technical skills for concepts in the Building Construction Program of Study. Areas of study include estimation, masonry materials, rough- in plumbing systems and installation of finish plumbing. Emphasis will be placed on career exploration, job seeking skills and personal and professional ethics. Safety instruction is integrated into all activities. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts, and teachers should provide each student with real world learning opportunities and instruction related to masonry and plumbing.
COURSE TITLE:	MECHANICAL SERVICES SYSTEMS
Course Number: 2445 MECH SER SYS RECOMMENDED ELECTIVE	The Mechanical Services Systems course will introduce the student to the basic principles of mechanisms, electricity/electronics and fluids involved in the support, maintenance, design, and installation of all types of mechanical and electrical devices. Students will explore a variety of techniques used in the mechanical services industry and apply this knowledge in a variety of hands-on activities. Safety instruction is integrated into all activities.

PROGRAM OF STUDY: 1756 ELECTRICAL TRADES I

COURSE TITLE:	ELECTRICAL TRADES I
Course Number: 1756 ELEC-TECH I REQUIRED <i>Grades 11 - 12</i>	The Electrical Trades I course introduces the student to the knowledge base and technical skills of the Electrical Trades industry. Electrical Trades I begin with the NCCER Core curriculum which is a prerequisite to all Level I completions. The students will complete modules in Basic Safety; Introduction to Construction Math; Introduction to Hand Tools; Introduction to Power Tools; Introduction to Construction Drawings; Basic Rigging; Basic Communication Skills; Basic Employability Skills; and Introduction to Materials Handling. Students will then begin developing skill sets related to the fundamentals of Electricity such as Orientation to the Electrical Trade; and Electrical Safety. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	ELECTRICAL TRADES II
Course Number:	The Electrical Trades II will continue to build student skill sets in areas such as Introduction to Electrical Circuits; Electrical Theory; Introduction to the National Electrical Code ®;

1757 ELEC-TECH II REQUIRED <i>Grades 10-12.</i>	Device Boxes; Hand Bending; Raceways and Fittings; Conductors and Cables; Basic Electrical Construction Drawings; Residential Electrical Services; and Electrical Test Equipment. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	ELECTRICAL TRADES III
Course Number: 1758 ELEC-TECH III REQUIRED <i>Grades 11-12.</i>	The Electrical Trades III course will continue to build student skill sets in areas of Alternating Current; Motors: Theory and Application; Electric Lighting; and Conduit Bending. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	ELECTRICAL TRADES IV
Course Number: 1759 ELEC-TECH IV REQUIRED <i>Grades 11-12.</i>	The Electrical Trades IV course will continue to build student skill sets in areas of Pull and Junction Boxes; Conductor Installations; Cable Tray; Conductor Terminations and Splices; Grounding and Bonding; Circuit Breakers and Fuses; and Control Systems and Fundamental Concepts. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	ROTATING DEVICES AND CONTROL CIRCUITRY
Course Number: 1771 ELEC-ROTATCT REQUIRED <i>Grades 12.</i>	The Rotating Devices and Control Circuitry course introduces the student to the knowledge base and technical skills for concepts in the Rotating Devices and Control Circuitry. Areas of study include safe work habits, control circuitry blueprints, schematics, pictorial diagrams, pilot devices, motor controls, relays and starters, and AC and DC motors. Emphasis will be placed on career exploration, job seeking skills, and personal and professional ethics. Safety instruction is integrated into all activities. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts, and teachers should provide each student with real world learning opportunities and instruction related to course concepts. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. Second Year Course, only offered at MCTC, but any student may take the course.
COURSE TITLE:	NATIONAL ELECTRICAL CODE
Course Number: 1767 ELECNTL CODE REQUIRED	The National Electrical Code course introduces the student to the knowledge base and technical skills for the NEC. Areas of study include demonstrating skills in the use of the NEC, applying calculations to assure NEC standards are met. Emphasis will be placed on career exploration, job seeking skills and personal and professional ethics. Safety instruction is integrated into all activities. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts.
COURSE TITLE:	INDUSTRIAL AND COMMERCIAL WIRING
Course Number: 1765 ELEC-I&C WIRE REQUIRED	The Industrial and Commercial Wiring course introduces the student to the knowledge base and technical skills for Industrial and Commercial Wiring. Areas of study include conduit and raceways and commercial load calculations and configurations. Emphasis will be placed on career exploration, job seeking skills and personal and professional ethics. Safety instruction is integrated into all activities. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts and teachers should provide each student with real world learning opportunities and instruction related to course concepts.
COURSE TITLE:	INTEGRATED ELECTRICAL LAB
Course Number: 1766 ELEC-INTRGLB	The Integrated Electrical Lab introduces the student to the knowledge base and technical skills for concepts in the Integrated Electrical Lab. Areas of study include electrical installation project, rough-in procedure, test and check circuits and termination and trim-out. Emphasis will be placed on career exploration, job seeking skills and personal and professional ethics. Safety instruction is integrated into all activities. Students will utilize

REQUIRED	problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts, and teachers should provide each student with real world learning opportunities and instruction related to course concepts.
COURSE TITLE:	RESIDENTIAL WIRING
Course Number: 1769 REQUIRED	This course introduces the student to the knowledge base and technical skills for Residential Wiring. Areas of study include wiring data, service entrance equipment, luminary and receptacle outlets, protective devices, appliance and special circuits and low-voltage systems. Emphasis will be placed on career exploration, job seeking skills and personal and professional ethics. Safety instruction is integrated into all activities. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts.

PROGRAM OF STUDY: SURVEYING TECHNOLOGY PROGRAM

COURSE TITLE:	BASIC SURVEYING (LOCAL PROGRAM OF STUDY)
Course Number: ??? BASIC SURVEY ELECTIVE	This course introduces students to the surveying history, uses in today's society, tools of the trade, various techniques and thought processes as well as where the technology is applicable. Emphasis will be placed on personal and professional ethics, and students will explore a variety of career opportunities. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become student members of the national organization, WV Society of Professional Surveyors. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.

Arts, A/V Technology & Communications Cluster

PROGRAM OF STUDY: Journalism and Broadcasting Pathway
Fundamentals of Broadcasting
Radio Broadcasting Presentations
Television Production Applications
Broadcasting Technology Specialization: Video Editing
Broadcasting Technology Specialization: Broadcast Management
Broadcasting Technology Specialization: Producing Live TV

PROGRAM OF STUDY: JOURNALISM AND BROADCASTING PATHWAY

COURSE TITLE:	FUNDAMENTALS OF BROADCASTING
Course Number: 1681 COMTEC-FUND REQUIRED	The Fundamentals of Broadcasting course introduces the student to the knowledge base and technical skills for all courses in the Broadcasting Technology Program of Study. Areas of study include fundamentals of broadcasting, broadcasting equipment, on-air presentation skills, and student organizations. Emphasis will be placed on career exploration, job seeking skills, and personal and professional ethics. Safety instruction is integrated into all activities. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts, and teachers should provide each student with real world learning opportunities and instruction related to broadcasting occupations.

	Students are encouraged to become active members of Skills USA for additional curricular opportunities that enhance student achievement, develop student leadership, and support experiential learning. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	RADIO BROADCASTING PRESENTATIONS
Course Number: 1683 COMTEC-RADIO REQUIRED	The Radio Broadcasting Presentation course will provide students with the knowledge to perform, either in a live or mock setting, a radio broadcast. Areas of study include on-air news presentations, deejay presentations, radio production and management, and student organizations. Students will demonstrate knowledge and technical expertise in the preproduction and performance of a live 30-minute show. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts, and teachers should provide each student with real world learning opportunities and instruction related to broadcasting occupations. Safety instruction is integrated into all activities. Students are encouraged to become active members of Skills USA for additional co-curricular opportunities that enhance student achievement, develop student leadership, and support experiential learning. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	TELEVISION PRODUCTION APPLICATIONS
Course Number: 1685 COMTEC-TV REQUIRED	The Television Production Application course will provide students with the knowledge to perform, either in a live or mock setting, or a television broadcast. Areas of study include writing television news, conducting interviews, preproduction, production, and student organizations. Students will demonstrate knowledge and technical expertise in the use of television production equipment and applications. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts, and teachers should provide each student with real world learning opportunities and instruction related to broadcasting occupations. Safety instruction is integrated into all activities. Students are encouraged to become active members of Skills USA for additional co-curricular opportunities that. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	VIDEO EDITING
Course Number: 1684 COMTEC-VEDEDT SPECIALIZATION	The Video Editing course is an introduction to the techniques, equipment, and applications used in Video Editing. Areas of study include the production process, ingestion, non-linear editing, final package distribution, and student organizations. Students will demonstrate technical expertise in non-linear video editing techniques. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts, and teachers should provide each student with real world learning opportunities and instruction related to broadcasting occupations. Safety instruction is integrated into all activities. Students are encouraged to become active members of Skills USA for additional co-curricular opportunities that enhance student achievement, develop student leadership, and support experiential learning. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	BROADCAST MANAGEMENT
Course Number: 1687 COMTEC-BRD MN SPECIALIZATION	The Broadcast Management course is designed for students to learn students will use knowledge gained in the course to operate a broadcast station on the air. This includes problem solving and decision making as broadcasts sometimes contain fast paced, high-pressure situations. Students will learn industry standards, federal regulations, and personnel requirements. They will investigate the roles of the broadcasting station in society and how to meet the requirements while managing time, talent, crew and all the other aspects of a broadcasting environment.
COURSE TITLE:	PRODUCING LIVE TV
Course Number: 1689 COMTEC-LV TV REQUIRED	The Producing Live TV course is designed for students to learn all aspects of live television production through hands-on application. This includes how to produce, direct, and operate cameras, audio equipment and other technical aspects of products. On-air duties such as anchor, reporter, announcer will also be examined in this course. Students will gain knowledge of directing, newsroom, production, and performance.

Business Management and Administration Cluster

PROGRAM OF STUDY: ADMINISTRATIVE SUPPORT	PROGRAM OF STUDY: CAREER AND WORK SKILLS TRAINING (CWST)	PROGRAM OF STUDY: ACCOUNTING AND FINANCE	PROGRAM OF STUDY: PRINCIPLES OF BUSINESS
Business Computer Applications I Microsoft Word, Excel, Outlook, and PowerPoint	Career and Work Skills Training I	Accounting Principles I	Business Law and Ethics
Business Computer Applications II Microsoft Word Expert, Excel Expert, Access PR: BCAI	Career and Work Skills Training II	Personal Finance	Business and Marketing Essentials
Personal Finance	CWST Work Experience I (Lab)	Accounting II	Management and Entrepreneurship
Office Procedures	CWST Work Experience II (Lab)	Introduction to Finance	E-Commerce and Financials
Business Communications		Financial Management	Business Computer Applications I
Business Recordkeeping		Business Recordkeeping	Personal Finance

PROGRAM OF STUDY: BM1467 ADMINISTRATIVE SUPPORT

COURSE TITLE:	BUSINESS COMPUTER APPLICATIONS I – MS OUTLOOK, POWERPOINT, WORD, EXCEL
Course Number: 1411 BUS CMPTR I REQUIRED <i>Grades 09-12.</i>	The Business Computer Application I course is designed to develop student understanding and skills in such areas as Microsoft Outlook, PowerPoint, Word, and Excel. This course introduces and prepares students for certifications in Microsoft Office Specialist Exams. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of Career Technical Student Organizations.
COURSE TITLE:	OFFICE PROCEDURES
Course Number: 1449 OFFICE PROC REQUIRED <i>Grades 10-12.</i>	The Office Procedures course is designed to develop student understanding and skills in such areas as developing personal and employability skills, managing records, processing mail, communicating duties, keeping financial records, applying computing, accounting, and data skills, processing business correspondence, operating office equipment, using management skills and completing office support activities. This course is recommended as an Elective in the Accounting Program of Study. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of go course concepts. Teachers should provide each student with real world learning opportunities and instruction. All West Virginia teaches are responsible for classroom instruct that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	BUSINESS COMPUTER APPLICATIONS II – MS WORD EXPERT/EXCEL EXPERT, ACCESS
Course Number: 1413 BCAII REQUIRED <i>Grades -10-12</i>	The Business Computer Applications II course is designed to develop student understanding and skills in such areas as Microsoft Outlook, PowerPoint, Word, and Excel. This course prepares students for certifications in Microsoft Office Specialist Exams and Expert Level Microsoft Office Certifications. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of Career Technical Student Organizations.
COURSE TITLE:	PERSONAL FINANCE
Course Number:	The Personal Finance course is designed to develop student understanding and skills in such areas as money management, budgeting, financial goal attainment, credit, insurance,

1451 PERS FIN REQUIRED <i>Grades 10-11</i>	investments and consumer rights and responsibilities. The course culminates in a personal financial literacy workshop requiring students to share their knowledge with others. This course features a variety of activities, assessments (including multiple-choice test items) and resource lists for instructional use. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	BUSINESS COMMUNICATIONS
Course Number: 1409 BUS COMMUN ELECTIVE <i>Grades 09-12</i>	The Business Communication course is designed to develop student understanding and skills in such areas as business communications. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	BUSINESS RECORDKEEPING
Course Number: 1421 BUS RECOKEEP ELECTIVE <i>Grades 10-12</i>	The Business Recordkeeping course is designed to develop student understanding and skills in such areas as the elements of business recordkeeping knowledge and skills necessary for a career in the business and marketing field. This course is recommended as an Elective in the Administrative Support Program of Study. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.

PROGRAM OF STUDY: BM 0510 CAREER AND WORK SKILLS TRAINING (CWST)

COURSE TITLE:	CAREER AND WORK SKILLS TRAINING I
Course Number: 0511 CARR WRK SK I REQUIRED <i>Grades 11 - 12</i>	The Career and Work Skills Training I course is designed as the first course to develop student understanding and skills essential for job success. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	CAREER AND WORK SKILLS TRAINING II
Course Number: 0512 CARR WK SKII REQUIRED <i>Grade 12</i>	The Career and Work Skills Training II course is designed as the second course to develop student understanding and skills that are essential for job success. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. <i>Prerequisite: Completion of Career and Work Skills Training I</i>
COURSE TITLE:	CWST WORK EXPERIENCE I (LAB)
Course Number: 0513 CWST WRK EXI REQUIRED <i>Grade 12</i>	The CWST Work Experience I course is designed as the first course to develop student understanding and skills using on-the-job training that contributes to the over-all instructional program. The instruction, through written agreement between school and employers, is a combination of study in school with employment in the appropriate field. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.

COURSE TITLE:	CWST WORK EXPERIENCE II (LAB)
Course Number: 0514 CWST WRK EII REQUIRED <i>Grade 12</i>	The CWST Work Experience II course is designed as the second course to develop student understanding and skills using on-the-job training that contributes to the over-all instructional program. The instruction, through written agreement between school and employers, is a combination of study in school with employment in the appropriate field. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization, FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.

PROGRAM OF STUDY: FI 1410 ACCOUNTING AND FINANCE

COURSE TITLE:	ACCOUNTING PRINCIPLES I
Course Number: 1401 ACCT PRIN I REQUIRED <i>Grades 10 - 12</i>	The Accounting Principles I course is designed to develop student understanding and skills in such areas as the basic principles, concepts, and practices of the accounting cycle. Journalizing, posting, and analyzing of financial statements as well as banking and payroll procedures are included. The importance of ethics and confidentiality, as well as an introduction to careers and types of business ownership are incorporated. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organizations, DECA or FBLA.. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.
COURSE TITLE:	PERSONAL FINANCE
Course Number: 1451 PRSN FINANCE ELECTIVE <i>Grades 11-12</i>	The Personal Finance course is designed to develop student understanding and skills in a multi-disciplinary approach to personal financial management. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.
COURSE TITLE:	ACCOUNTING PRINCIPLES II
Course Number: 1403 ACCT PRINC II REQUIRED <i>Grades 11-12</i>	Accounting Principles II is designed to develop student understanding and skills in such areas as advanced accounting procedures and techniques utilizing both manual and computer-based accounting. There is a strong emphasis on problem solving, analysis and financial decision-making. Students study the advanced principles, concepts and practices of the accounting cycle and partnerships, corporations, cost accounting, inventory and tax accounting. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. <i>Prerequisite: Accounting Principles I</i>
COURSE TITLE:	INTRODUCTION TO FINANCE
Course Number: 1470 REQUIRED <i>Grades 9-12</i>	The Introduction to Finance course is designed to develop student understanding and skills essential to become a financially capable consumer. Emphasis is placed on Career Exploration of Finance Careers and skill development necessary for those careers. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real-world learning opportunities and instruction. Students are encouraged to become active members of student organizations, DECA or FBLA. The West Virginia Standards for global 21 Learning include the following components: glo0bal 21 Content, Literacy and Numeracy, Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.

COURSE TITLE:	FINANCIAL MANAGEMENT
Course Number: 1471 ELECTIVE <i>Grades 10-12</i>	This course is designed to develop student understanding and skills in controlling and monitoring the procurement of funds and their utilization in business. Emphasis is placed on the analysis and purchase of securities and investments, as well as the need for effective customer relationship management and information management in finance. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real-world learning opportunities and instruction. The West Virginia Standards for global 21 Learning include the following components: Global 21 content, Literacy and Numeracy, Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets. <i>Prerequisite: Introduction to Finance</i>
COURSE TITLE:	BUSINESS RECORDKEEPING
Course Number: 1421 BUS RECOKEEP ELECTIVE <i>Grades 10-12</i>	The Business Recordkeeping course is designed to develop student understanding and skills in such areas as the elements of business recordkeeping knowledge and skills necessary for a career in the business and marketing field. This course is recommended as an Elective in the Administrative Support Program of Study. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.

PROGRAM OF STUDY: BM 1510 PRINCIPLES OF BUSINESS
(For students interested in going to college for Business.)

COURSE TITLE:	BUSINESS LAW AND ETHICS
Course Number: 1417 REQUIRED <i>Grades 11-12.</i>	The Business Law and Ethics skillsets in this course are representative of the basic knowledge included in a Career and Technical Education/Business and Marketing concentration. Incorporated into this course are elements of introductory business law knowledge and skills necessary for a career in the business and marketing field. This course is recommended as an Elective in the Legal Office concentration. Teachers should provide each student with real-world learning opportunities and instruction. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	BUSINESS AND MARKETING ESSENTIALS
Course Number: 1439 REQUIRED <i>Grades 9-12</i>	The Business and Marketing Essentials course is designed to develop student understanding and skills in such areas as business law, communication skills, customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing, operations, professional development, and strategic management. Students acquire knowledge of fundamental business activities and factors affecting business, develop verbal and written communication skills, use information literacy skills, utilize job-seeking strategies, and participate in career planning. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.
COURSE TITLE:	MANAGEMENT AND ENTREPRENEURSHIP
Course Number: 1445 ELECTIVE <i>Grades 11-12</i>	The Management and Entrepreneurship skill sets in this course are representative of the basic knowledge included in a Career and Technical Education/Business and Marketing concentration. Incorporated into this course are elements of management and entrepreneurship knowledge and skills necessary for a career in the business and marketing field. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.

COURSE TITLE:	E-COMMERCE AND FINANCIALS
Course Number: 1464 ELECTIVE <i>Grades 11-12</i>	The E-Commerce and Financials skillsets in this course are representative of the basic knowledge included in a CTE/Business Management and Administrative Cluster. Incorporated into this course are elements of financial knowledge and skills necessary for a career in the E-commerce field, including the buying and selling of goods and services in an alternative setting or location. This course is one of the specialized courses for the Principles of Business program of study. Teachers should provide each student with real-world learning opportunities and instruction. Students are encouraged to become active members of student organizations, DECA or FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	BUSINESS COMPUTER APPLICATIONS I – MS OUTLOOK, POWERPOINT, WORD, EXCEL
Course Number: 1411 BUS CMPTR I REQUIRED <i>Grades 09-12.</i>	The Business Computer Application I course is designed to develop student understanding and skills in such areas as Microsoft Outlook, PowerPoint, Word, and Excel. This course introduces and prepares students for certifications in Microsoft Office Specialist Exams. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of Career Technical Student Organizations.
COURSE TITLE:	PERSONAL FINANCE
Course Number: 1451 PRSN FINANCE ELECTIVE <i>Grades 11-12</i>	The Personal Finance course is designed to develop student understanding and skills in a multi-disciplinary approach to personal financial management. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.

BUSINESS MANAGEMENT & ADMINISTRATION ELECTIVES

COURSE TITLE:	ACCOUNTING PRINCIPLES II
Course Number: 1403 ACCT PRIN II ELECTIVE <i>Grades 9-12.</i>	The Accounting Principles II course is designed to develop student understanding and skills in such areas as advanced accounting procedures and techniques utilizing both manual and computer-based accounting. There is a strong emphasis on problem solving, analysis and financial decision-making. Students study the advanced principles, concepts and practices of the accounting cycle and partnerships, corporations, cost accounting, inventory and tax accounting. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	WORKPLACE PRACTICUM
Course Number: 1512 WRKPLC PRACT ELECTIVE <i>Grades 11-12</i>	The Workplace Practicum course is designed to develop student understanding and skills in such areas as the elements of basic work knowledge and skills necessary to participate in a workplace practicum in the business and marketing field. This course is recommended as an Elective in the Accounting, Administrative and Business Support, Legal Office and Medical Office concentrations. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with world learning opportunities and instruction. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.

Education and Training Cluster

LOCAL PROGRAM OF STUDY: CAREERS IN EDUCATION
Foundation in Education
Student Learning, Development, and Diversity
Educational Psychology and Learning
Teacher Preparation: Seminar in Educational Practice

PROGRAM OF STUDY: ED 1300 CAREERS IN EDUCATION

COURSE TITLE:	FOUNDATION IN EDUCATION
Course Number: 1301 FED REQUIRED <i>Grades 9-12.</i>	The Foundation in Education course is designed to introduce the history, development, organization, and practices of preschool, elementary, and secondary education. In addition to classroom training, students will participate in field experiences at local elementary, middle, and high schools. Students also gain the professional or skilled knowledge and skills necessary to begin a career in the education profession. Students are encouraged to become active members of the student organization, Future Educators of Association (FEA), a national student organization for those enrolled in Careers in Education. FEA is an integral component of the program and provides curricular opportunities that enhance student achievement. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course 4 concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the Future Educators of Association career technical student organization. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	STUDENT LEARNING, DEVELOPMENT, AND DIVERSITY
Course Number: 1302 SLDD REQUIRED	The Student Learning, Development, and Diversity course is designed to focus on the various physical, cognitive, social, emotional and moral development, environments and social institutions, family life, demographics, and culture influencing human growth and development. This course also provides information and activities for guiding behavior and meeting the needs of special age groups. Students will utilize problem solving techniques and participate in hands-on activities. Teachers should provide each student with real world learning opportunities and instruction related to education careers. Students are encouraged to become active members of the Future Educators of Association career technical student organization. FEA is a national student organization for those enrolled in Careers in Education. FEA is an integral component of the program and provides curricular opportunities that enhance student achievement. Teachers should utilize relevant FEA activities to support experiential learning. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the Future Educators of Association career technical student organization. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	SECONDARY LITERACY AWARENESS (PSYCHOLOGY AND LEARNING)
Course Number: 1304 SEC LIT AWAR REQUIRED	The Educational Psychology and Learning course is designed to look at statistics, trends, and assessment strategies influencing education and training. Also included are challenges confronting educational settings, historical background of American education and influences from around the world, effective teacher attributes, and major philosophies of education. This course includes organizational strategies and systems and use of appropriate resources and assessments to advance learning in a variety of organizational structures. This course introduces applications within the teaching and training profession, preparation for educational licensure and ongoing employment, exposure to legal and ethical issues, environmental structure and culture, and basic historical, sociological, philosophical, physiological, and psychological principles that apply to classroom practice. Extensive

	observation in an approved school setting is a part of this course. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the Future Educators of Association career technical student organization. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	SEMINAR IN EDUCATIONAL PRACTICE
Course Number: 1135 SEM ED PRACT REQUIRED	The Teacher Preparation course is designed to provide content related to preparation and credentials and provide students with the opportunity to gain the professional or skilled knowledge and skills necessary in beginning a career in the education profession in a real-world classroom. Extensive observation and actual classroom teaching experience in an approved school setting is a part of this course. It is the expectation of this course that students will be prepared to pass the Praxis I Test: Pre-Professional Skills Tests (PPST®). Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the Future Educators of Association career technical student organization. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.

Health Services Cluster

PROGRAM OF STUDY: THERAPEUTIC SERVICES
Foundations of Health Science
Advanced Principles of Health Science
Clinical Specialty I
Clinical Specialty II
Medical Terminology
Understanding Human Behavior
Health Science Clinical Experience

PROGRAM OF STUDY: HE0723 THERAPEUTIC SERVICES

COURSE TITLE:	FOUNDATIONS OF HEALTH SCIENCE
Course Number: 0711 FOUND HLTSCI REQUIRED	The Foundations of Health Science course is designed to allow instructional content to focus on basic medical terminology, growth and development, nutrition, health maintenance practices and healthcare delivery systems. It is designed to provide the student with knowledge and technical skills required for infection control and prevention of disease transmission CPR and First Aid. Students will be provided with the opportunity to acquire certification in these areas. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become members of the student organization, HOSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. Only offered at MCTC and East, but any student may take the course.
<i>Grades 11-12</i>	

COURSE TITLE:	ADVANCED PRINCIPLES OF HEALTH SCIENCE
Course Number: 0715 AD PRIN HLTH REQUIRED	The Advanced Principles of Health Science course will focus on healthcare safety, environmental safety processes and procedures, ethical and legal responsibilities, and mathematical computations. Medical terminology and the reinforcement, expansion, and enhancement of biology content specific to diseases and disorders are an integral part of the course. Instruction will incorporate project and problem-based healthcare practices and procedures to demonstrate the importance of these skills. Students will develop basic technical skills required for all health career specialties including patient privacy, communication, teamwork, and occupational safety and be provided with opportunities to obtain certifications in HIPPA/Data Privacy and health care safety. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, HOSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and content standards and objectives. Only offered at MCTC and East, but any student may take the course.
<i>Grades 11-12</i>	
COURSE TITLE:	CLINICAL SPECIALTY I
Course Number: 0789 CLINC SPCL I REQUIRED	The Clinical Specialty I course is designed to allow the student to choose a career work-based experience from the following specializations: Select 1: Home Health Aide (A) Certified Nursing Assistant (B) Certified Patient Care Technician (C) ECG Certified Technician (D) Certified Health Unit Coordinator (E) Certified Phlebotomy Technician (F) Upon successful completion of the prerequisite courses in the Health Science Education concentration, students will be provided the opportunity in Clinical Specialty I to participate in a work-based clinical experience. Students choose a health career specialty for in-depth study and must complete a minimum of 55-100 hours in an applicable clinical rotation. Instruction is guided by career-specific content standards and objectives that must be mastered before students are eligible to attain established credentials and/or industry validation. Within this course, students focus upon employability skills and career development, and apply healthcare information technology and technical skills. Instruction will incorporate project and problem-based healthcare practices and procedures to demonstrate the criticality of these skills. Due to healthcare industry standards, exemplary attendance is mandatory. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, HOSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and content standards and objectives. Only offered at MCTC and East, but any student may take the course.
<i>Grades 11-12</i>	
COURSE TITLE:	CLINICAL SPECIALTY II
Course Number: 0790 CLINC SPC II REQUIRED	The Clinical Specialty II course is designed to allow the student to choose a career work-based experience from the following specializations: Select 1: Patient Care Technician ((G) Pre-Pharmacy Technician (H) Veterinary Science (I) Physical Therapy Aide (J) Sports Trainer (K) Advanced Health Seminar (L) Certified Health Unit Coordinator (M) Family Caregiver (N) Upon successful completion of the prerequisite courses in the Health Science Education concentration, students will be provided the opportunity in Clinical Specialty II to participate in a work-based clinical experience. Students choose a health career specialty for in-depth study and must complete a minimum of 55-100 hours in an applicable clinical rotation. Instruction is guided by career-specific content standards and objectives that must be mastered before students are eligible to attain established credentials and/or industry validation. Within this course, students focus upon employability skills and career development, and apply healthcare information technology and technical skills. Instruction will incorporate project and problem-based healthcare practices and procedures to demonstrate the criticality of these skills. Due to healthcare industry standards, exemplary attendance is mandatory. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, HOSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and content standards and objectives. Only offered at MCTC and East, but any student may take the course.
<i>Grades 12</i>	

COURSE TITLE:	MEDICAL TERMINOLOGY
Course Number: 0721 MED TERMNLGY ELECTIVE <i>Grades 11-12</i>	The Medical Terminology course will introduce students to the language of medicine. Students will gain an understanding of basic elements, rules of building and analyzing medical words, and medical terms associated with the human body utilizing a systems approach. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization HOSA-Future Health Professionals. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	UNDERSTANDING HUMAN BEHAVIOR
Course Number: 0725 UND HUM BEH ELECTIVE <i>Grades 11-12</i>	The Understanding Human Behavior students will learn basic principles of human behavior. As a result of this knowledge, students should gain an improved sense of self and build interpersonal relationship skills. The end goal will be the delivery of conscientious, personalized care which conveys respect and sincerity. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization HOSA-Future Health Professionals. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	SCIENCE CLINICAL EXPERIENCE
Course Number: 0730 SCI CLNL EXP ELECTIVE	The Science Clinical Experience course is designed to be used in conjunction with a Health Science Education course that includes clinical specialization experience. Instructional content focuses on extending career preparation and technical skills associated with a previously selected clinical specialization. <i>For example, Health Science Clinical Experience Skill Sets may be taught in conjunction with Clinical Specialty 1 (0789) or Clinical Specialty II (0790), PTCB Applications (0772), and Dental Assisting Clinical Mentoring (0745).</i> Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization HOSA-Future Health Professionals. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. Only offered at MCTC and East, but any student may take the course.

Hospitality and Tourism Cluster

LOCAL PROGRAM OF STUDY: PROSTART RESTAURANT MANAGEMENT
Restaurant and Culinary Foundations
Restaurant Management Essentials
Advanced Principles in Food Production
The Restaurant Professional
Hospitality Products and Service
Event Production Operations
Food Service Management Practices
Event and Project Planning and management

PROGRAM OF STUDY: HO1010 PROSTART RESTAURANT MANAGEMENT

COURSE TITLE:	RESTAURANT AND CULINARY FOUNDATIONS
Course Number: 1013 REST/CUL FND REQUIRED	The Restaurant and Culinary Foundations course focuses on the basic preparation and service of safe food, basic introduction to industry safety standards, basic introduction to restaurant equipment, kitchen essentials in knife skills, stocks, and sauces, and communication concepts in the restaurant industry. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and

Grades 11-12	instruction. Students are encouraged to become active members of the student organization, DECA, FCCLA, or SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. Only offered at MCTC, but any student may take the course.
COURSE TITLE:	RESTAURANT AND MANAGEMENT ESSENTIALS
Course Number: 1014 REST MGMT ES REQUIRED Grades 11-12	The Restaurant and Management Essentials course is designed to focus on management essentials in the restaurant industry, guest service, food production, and career exploration and pursuit. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, DECA, FCCLA, or SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. Only offered at MCTC, but any student may take the course.
COURSE TITLE:	ADVANCED PRINCIPLES IN FOOD PRODUCTION
Course Number: 1019 ADV PRIN FD REQUIRED Grades 11-12	The Advanced Principals in Food Production course is designed to examine advanced food production, nutrition, and cost control. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, DECA, FCCLA, or SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. Only offered at MCTC, but any student may take the course.
COURSE TITLE:	RESTAURANT PROFESSIONAL
Course Number: 1020 REST PROF REQUIRED Grade 12	The Restaurant Professional course is designed to provide content related to global cuisine, sustainability, desserts and baked goods, and marketing. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA, FCCLA, or SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. Only offered at MCTC, but any student may take the course.
COURSE TITLE:	HOSPITALITY PRODUCTS AND SERVICE
Course Number: 1015 HOSP PROD&SRV RECOMMENDED ELECTIVE Grades 11-12	The Hospitality Products and Service students will research and review career options and qualifications in hospitality services, integrate hospitality skills, food service etiquette, and processes used by many enterprises, including individual and group settings, and food environments into hospitality service. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, DECA, FCCLA, or SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	EVENT PRODUCTION OPERATIONS
Course Number: 1116 EVT PROD OPS RECOMMENDED ELECTIVE Grades 11-12	The Event Production Operations course is designed to focus on “hands on” and academic activities geared toward management opportunities and skills in event design and planning. This course develops students' abilities to manage materials, staff, entertainment, and other event planning resources. Students gain practical experience in setting up events and making sure all aspects of the program are organized properly. Topics include serving staff coordination, food delivery and guest registration. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, DECA, FCCLA, or SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	FOOD SERVICE MANAGEMENT PRACTICES
Course Number: 1016 FOOD MGMT PRA	The Food Service Management Practices coursework incorporates management roles and financial responsibilities, staff supervision and training, marketing, and advertising, menu planning, food safety, sanitation, labor rules and regulations, and HACCP planning. Students utilize problem-solving techniques and participate in hands-on activities to

RECOMMENDED ELECTIVE <i>Grade 12</i>	develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, DECA, FCCLA, or SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	EVENT AND PROJECT PLANNING AND MANAGEMENT
Course Number: 1212 EVT/PROJ PLGN RECOMMENDED ELECTIVE <i>Grade 12</i>	The Event and Project Planning and Management course is designed to focus on “hands on” and academic activities geared toward management opportunities and skills in the hospitality industry. The coursework will provide the student with an overview of industry and will also provide competencies for successful performance in leadership and management skills in Travel and Tourism. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, DECA, FCCLA, or SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.

Human Services Cluster – Foundational Courses

FOUNDATIONAL/ NON-OCCUPATIONAL COURSES
Life Connections
Parenting and Strong Families
Personal Resource Management
Human Services, Development and Relationships
Applied Design Housing/Interior
Food Preparation
Applied Design Fashion

COURSE TITLE:	LIFE CONNECTIONS
Course Number: 0901 LIFE CONNECT ELECTIVE <i>Grades 09-12</i>	The Life Connections course will enable students to develop skills for assuming roles in society as productive, successful individuals. Skills include setting and achieving personal goals, examining career options, handling current and future jobs and careers, meeting basic needs, and managing finances. Life Connections is an elective designed as introduction to skills needed to complete high school and enter the adult world and may be an adjunct to any CTE concentration. Life Connections may be an initial course or build on skills from BASE in middle school and/or LIFE. Students will utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of a student organization. Teachers should provide each student with real world learning opportunities and instruction. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	PARENTING AND STRONG FAMILIES
Course Number: 0903 PSF ELECTIVE <i>Grades 09-12</i>	NOTE: This is the only course that complies with requirements of WVDE Policy 2530.02. This course is designed to help students evaluate readiness for parenting while examining appropriate Parenting and Strong Families practices. Students will develop an awareness of societal issues affecting families and explore support systems. Students will use reasoning processes, individually and collaboratively, to take responsible action in families, workplaces, and communities and to manage the challenges of living and working in a diverse global society. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization FCCLA. Teachers should provide each student with real world learning opportunities and instruction. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.

Information Management Cluster

PROGRAM OF STUDY: IT 1450 INFORMATION MANAGEMENT/MICROSOFT COMPUTER APPLICATIONS SPECIALISTS
Digital Imaging/Multimedia I
Desktop Publishing
Digital Imaging/Multimedia II
Technical Computer Application I
Technical Computer Applications II
Fundamentals of Computer Science

PROGRAM OF STUDY: IT1450 INFORMATION MANAGEMENT

COURSE TITLE:	DIGITAL IMAGING/MULTIMEDIA I
Course Number: 1431 DGTL IMG I REQUIRED <i>Grades 09-12</i>	The Digital Imaging/Multimedia I course is designed to develop student knowledge and skills in such areas as producing images, operating a digital camera, using imaging software, using drawing software, creating simple animations, and manipulating video images. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	DESKTOP PUBLISHING
Course Number: 1429 DSKTP PB ELECTIVE <i>Grades 09-12</i>	The Desktop Publishing course is designed to develop student understanding and skills in such areas as journalistic principles in design and layout of print and Web publications including integration of text and graphics and use of sophisticated hardware and software to develop and create quality materials for business-related tasks. Students will analyze the information and the audience and combine appropriate text, graphics and design to communicate the desired message effectively. Planning and design principles are used to analyze and organize information, set up a design structure and to select or create appropriate visuals. Instructional strategies may include computer/technology applications, teacher demonstrations, collaborative instruction, interdisciplinary and/or culminating projects, problem-solving and critical thinking activities, simulations, and project-based learning activities. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	FUNDAMENTALS OF COMPUTER SCIENCE
Course Number: 1705 ELECTIVE <i>Grades 10-12</i>	This course introduces the student to the knowledge and technical skills for all courses in the Computer Systems and Hardware Support Program of Study. Areas of study include computer hardware, data representation, operating system, utility, productivity software, communications and networks, and the Internet. Emphasis will be placed on personal and professional ethics, and students will explore a variety of career opportunities. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts, and teachers should provide each student with real world learning opportunities and instruction related to occupations in the IT industry. Safety instruction is integrated into all activities.

COURSE TITLE:	TECHNICAL COMPUTER APPLICATIONS I
Course Number: 1700 REQUIRED <i>Grades 9-12</i>	The Technical Computer Applications I course introduces the student to a variety of applications used for Workplace Productivity. Areas of study include file management and individual applications including word processing, spreadsheet, database management, presentations, and personal information management. Students will demonstrate knowledge and technical expertise in the efficient use of software and application integration. Students will explore a variety of career and certification opportunities. This course is recommended as an Elective in the Computer Systems Repair Technology Program of Study. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts, and teachers should provide each student with real world learning opportunities and instruction related to occupations in information technology. Students are encouraged to become active members of the student organization, SkillsUSA. Safety instruction is integrated into all activities.
COURSE TITLE:	TECHNICAL COMPUTER APPLICATIONS II
Course Number 1709 <i>Grades 10-12</i>	This course introduces the student to a variety of applications used for Workplace Productivity. Areas of study include file management and individual applications including word processing, spreadsheet, database management, presentations, and person information management. Students will demonstrate knowledge and technical expertise in the efficient use of software and application integration. Students will explore a variety of career and certification opportunities. This course is recommended as an Elective in the Computer systems Repair Technology Program of Study. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts, and teachers should provide each student with real-world learning opportunities and instruction related to occupations in information technology. Students are encouraged to become active members of the student organization, SkillUSA. Safety instruction is integrated into all activities.
COURSE TITLE:	MANAGEMENT AND ENTREPRENEURSHIP
Course Number 1445 ELECTIVE <i>Grades 11-12</i>	The Management and Entrepreneurship skill sets in this course are representative of the basic knowledge included in a Career and Technical Education/Business and Marketing concentration. Incorporated into this course are elements of management and entrepreneurship knowledge and skills necessary for a career in the business and marketing field. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.

Law, Public, Safety, Correction and Security Cluster

PROGRAM OF STUDY: Law and Public Safety
Practical Applications of Public Safety Leadership
Fundamentals of Public Safety Leadership
Ethical Issues in Public Safety
Seminar in Law Enforcement

PROGRAM OF STUDY: LA1020 LAW AND PUBLIC SAFETY

COURSE TITLE:	PRACTICAL APPLICATIONS OF PUBLIC SAFETY
Course Number: 1039 APP PUB SFTY REQUIRED	The Practical Applications of Public Safety course is designed to give students the opportunity to connect theory and practice by interacting with Public Safety professionals. Students will study various requirements for employability in the Public Safety field including ethics, teamwork, and professionalism. Students may participate in activities associated with Public Safety agencies (such as county and local law enforcement, county judicial offices, correctional facilities, training academies, social services, etc.) for hands-on or work-based experiences. Preparation includes construction of a portfolio that can be utilized in obtaining employment upon completion of the student's program. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. Only offered at MCTC, but any student may take the course.
COURSE TITLE:	FUNDAMENTALS OF PUBLIC SAFETY LEADERSHIP
Course Number: 1225 FD PUB SFTY REQUIRED	The Fundamentals of Public Safety Leadership course is designed to present foundational principles of Public Safety Leadership including how public safety leaders protect a democratic society; public policy issues such as crime and justice; history, organization, and functions of components of public safety including the criminal justice system; and the issues and challenges relating to the administration of justice in a culturally diverse society. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. Only offered at MCTC, but any student may take the course.
COURSE TITLE:	ETHICAL ISSUES IN PUBLIC SAFETY
Course Number: 1226 ETHL PUBSFTY REQUIRED	The Ethical Issues in Public Safety course is designed to examine the philosophical issues and applications of the objectives and processes of Public Safety Leadership including Constitutional limitations; accountability; civil liability; criminal investigation; criminal procedure; and forensics. By examining societal and psychological stressors that contribute to behavior, students will examine a variety of serious offenses and apply concepts of profiling, behavioral analysis, and threat assessment within an ethical paradigm. Students will analyze and critique the system of dealing with convicted persons and the long-term implications of corrections policy. The principles and procedures used in criminal investigation will be introduced. Procedures for implementing criminal law such as the Incorporation Doctrine, search and seizure, warrant requirements, arrest, the right to counsel, interrogation, identification procedures, entrapment, cruel and unusual punishment, etc. will be discussed. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. Only offered at MCTC, but any student may take the course.
COURSE TITLE:	SEMINAR IN LAW ENFORCEMENT
Course Number: 1035 LAW ENFORC	The Seminar in Law Enforcement course is designed to provide students with fundamental principles of the law enforcement field such as the history of policing in the US, the characteristics of law enforcement agencies and types of police activities including criminal investigation. Current issues and trends in law enforcement will be investigated. Aspects of

REQUIRED	criminal investigation such as evidence collection, fingerprinting, latent dusting, interviewing and report writing will be presented. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. Only offered at MCTC, but any student may take the course.
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Manufacturing Cluster

PROGRAM OF STUDY: WELDING
Welding I
Welding II
Welding III
Welding IV
Ornamental Metalwork
Blueprint Reading and Metallurgy
Gas Metal Arc Welding
Work-Based Integration and Transition

PROGRAM OF STUDY: MA1980 WELDING

COURSE TITLE:	WELDING I
Course Number: 1862 WELDING I REQUIRED <i>Grades 11-12</i>	This course is designed to introduce the student to the knowledge base and technical skills of the Welding industry. Welding I begins with the NCCER Core curriculum which is a prerequisite to all Level I completions. The students will complete modules in Basic Safety; Introduction to Construction Math; Introduction to Hand Tools; Introduction to Power Tools; Introduction to Construction Drawings; Basic Rigging; Basic Communication Skills; Basic Employability Skills; and Introduction to Materials Handling. Students will then begin developing skill sets in the fundamentals of Welding such as Welding Safety; Oxyfuel Cutting; and Plasma Arc Cutting. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	WELDING II
Course Number: 1863 WELDING II REQUIRED <i>Grades 11-12</i>	Welding II will continue to build student skill sets in areas of Air Carbon Arc Cutting and Gouging; Base Metal Preparation; Weld Quality; SMAW-Equipment and Setup; Shielded Metal Arc Electrodes; SMAW-Beads and Fillet Welds; Joint Fit Up and Alignment; SMAW-Groove Welds with Backing; and SMAW-Open V-Groove Welds. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skillsets.
COURSE TITLE:	WELDING III
Course Number:	Welding III will continue to build student skill sets in areas of Welding Symbols; Reading Welding Detail Drawings; Physical Characteristics and Mechanical Properties of Metals;

1864 WELDING III REQUIRED <i>Grades 12</i>	Preheating and Postheating of Metals; GMAW and FCAW-Equipment and Filler Metals; and GMAW and FCAW- Plate. Students utilize problem-solving techniques and participate in hands- 19 on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	WELDING IV
Course Number: 1865 WELDING IV REQUIRED <i>Grade 12</i>	Welding IV will continue to build student skill sets in areas of GTAW-Equipment and Filler Metals; and GTAW-Plate. Students utilize problem-solving techniques and participate in hands- on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	ORNAMENTAL METALWORK
Course Number: 1982 WELD-ORNMENT ELECTIVE <i>Grades 11-12</i>	The Ornamental metalwork course introduces the student to the knowledge base and technical skills for concepts in Ornamental Metal Work. Areas of study include measurement, metal layout and bending, operation of the drill press, band saw, and the iron worker. Incorporated into this course are elements of introductory knowledge and skills necessary for a career in welding. This course is recommended as an Elective in Welding.
COURSE TITLE:	BLUEPRINT READING AND METALLURGY
Course Number: 1983 WELD-BLPRT RD ELECTIVE <i>Grade 12</i>	The Blueprint Reading and Metallurgy skill sets in this course represent the basic knowledge included in a Career and Technical Education Welding Program of Study. Areas of study include drawing fundamentals, sketching, and fabricating, basic welding symbols, and properties of metals and alloys. This course is recommended as an Elective in the Welding Program of Study.
COURSE TITLE:	GAS METAL ARC WELDING
Course Number: 1987 WELD-GAS MTL ELECTIVE <i>Grade 12</i>	The Gas Metal Arc Welding skill sets in this course are representative of the basic knowledge included in a Career and Technical Welding Program of Study. Incorporated into this course are elements of introductory knowledge and skills necessary for a career in welding. This course is recommended as an Elective in Metals Technology and Welding.
COURSE TITLE:	WORK-BASED INTEGRATION AND TRANSITION
Course Number: 0520 CUL-WORK-BASE ELECTIVE <i>Grade 12</i>	This course gives students the opportunity to integrate theory and practice by interacting with industry professionals. Students will study various requirements for employability including ethics, communication, teamwork, and professionalism. Students will participate in hands-on, digital, or work-based experiences related to industry settings in order to practice skill sets and to transition from student to employee. A supervised project will be developed in one or more of the following categories: Entrepreneurship (ownership or operation of a business); Placement (employment or internship); Research and Experimentation (planning and/or conducting a scientific experiment); Exploration (exploration of related careers through activities such as shadowing employees in various work settings, conducting on-line research, attending professional development activities, etc.). Students will develop materials to supplement their Simulated Workplace portfolios.

REQUIRED 0407, 0434, 0437, OR 0441 <i>Grades 10-12</i>	Students are encouraged to become active members of the student organizations, DECA or FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. Only offered at MCTC, but any student may take the course.
COURSE TITLE:	SPORTS ENTERTAINMENT AND RECREATION MARKETING
Course Number: 0434 MRKT SPRT/ENTER REQUIRED 0407, 0434, 0437, OR 0441 <i>Grades 10-12</i>	The Sports, Entertainment and Recreation Marketing course is designed to develop student understanding and skills in such areas as the field of sports, entertainment, and/or recreational marketing. The function of sports marketing is to determine the interests of the consumer and plan a product or service that the spectator will buy. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. Only offered at MCTC, but any student may take the course.
COURSE TITLE:	HOSPITALITY AND TOURISM MARKETING
Course Number: 0437 MRKT HOSP/TOUR REQUIRED 0407, 0434, 0437, OR 0441 <i>Grades 10-12</i>	The Hospitality and Tourism Marketing course is designed to develop student understanding and skills in such areas as the hotel, restaurant, or travel and tourism industry. Students discover industry trends and career opportunities that abound in the following industries: lodging, food and beverage, airline, cruise line, travel agencies, event planners, and recreation. This course allows students to be actively engaged in learning how to create successful promotional mix strategies: advertising, publicity, sales promotion, and personal selling. If available, students engage in learning new software: Microsoft Publisher and Windows Movie Maker. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. Only offered at MCTC, but any student may take the course.
COURSE TITLE:	REAL ESTATE MARKETING
Course Number: 0441 MRKT REAL EST REQUIRED 0407, 0434, 0437, OR 0441 <i>Grades 10-12</i>	The Real Estate Marketing course is designed to develop student understanding and skills in such areas as the usage of land, land description, ownership, contracts, deeds, mortgages, title search and closes, liens, financing sources, appraisal process, investments in real estate, and the sales and marketing process. Students will broach real estate marketing and sales through ethics, human, employee, and customer relations, use of product knowledge, and use of advertising and the media. Exposure to real estate terminology, forms, and contracts is an integral part. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. Only offered at MCTC, but any student may take the course.
COURSE TITLE:	MARKETING WORK EXPERIENCE/INTERNSHIP
Course Number: 0428 MRKT WRK EXP REQUIRED <i>Grade 12</i>	The Marketing Work Experience/Internship course is designed to develop student understanding and skills in such areas as the elements of introductory employment knowledge and skills necessary for a career in the business and marketing field. This course is recommended as an elective in the Marketing Management concentration. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. Only offered at MCTC, but any student may take the course.
COURSE TITLE:	ACCOUNTING PRINCIPLES I
Course Number: 1401 ACCT PRIN I	The Accounting Principles I course is designed to develop student understanding and skills in such areas as the basic principles, concepts, and practices of the accounting cycle. Journalizing, posting, and analyzing of financial statements as well as banking and payroll procedures are included. The importance of ethics and confidentiality, as well as an introduction to careers and types of business ownership are incorporated. Students utilize

REQUIRED <i>Grades 09 - 12</i>	problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organizations, DECA or FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.
COURSE TITLE:	DIGITAL IMAGING/MULTIMEDIA I
Course Number: 1431 DGTL IMG I <i>Grades 09-12</i>	The Digital Imaging/Multimedia I course is designed to develop student knowledge and skills in such areas as producing images, operating a digital camera, using imaging software, using drawing software, creating simple animations and manipulating video images. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	WEB PAGE PUBLISHING
Course Number: 1455 WEBPGE PBLSH <i>Grades 09-12</i>	The Web Page Publishing course is designed to develop student understanding and skills in such areas as Web page design including using Web page development software, creating page layouts, adding images and frames, creating elements and components, creating tables, managing files, publishing to the Internet, creating hyperlinks, organizing tasks and using codes (markup languages). Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FBLA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets.
COURSE TITLE:	CROSS MEDIA MARKETING
Course Number: 0425 <i>Grades 09-12</i>	The course description will be added once WV DE approves prior to July 1, 2022.

Science, Technology, Engineering and Mathematics Cluster

LOCAL PROGRAM OF STUDY: TECHNOLOGY EDUCATION	LOCAL PROGRAM OF STUDY: TECHNOLOGY EDUCATION (ADVANCED CAREERS)
Communications Systems	AC Aerospace Engineering I
Construction Systems	AC Aerospace Engineering II
Foundations in Engineering	AC Aerospace Engineering III
Mechanical Services Systems	AC Aerospace Engineering IV
Manufacturing Systems	
Transportation Systems	

PROGRAM OF STUDY: TECHNOLOGY EDUCATION

COURSE TITLE:	COMMUNICATION SYSTEMS – LOCAL PROGRAM OF STUDY
Course Number: 2421 COMM SYS REQUIRED <i>Grades 09-12</i>	The Communication Systems course provides opportunities for students to study and apply technological systems, concepts, and processes in communication technology. Group and individual activities engage students in creating ideas, developing innovations, and implementing design solutions as they relate to communication systems. Students will utilize problem-solving techniques and manipulative skills while completing laboratory activities to develop an understanding of course concepts. Safety instruction is integrated into all activities. Students are encouraged to become active members of the Technology Student Association (TSA), which is an integral component of the program and provides curricular opportunities that enhance student achievement. The West Virginia Standards for 21 st Century Learning include the following components: 21 st Century Content Standards and 21 st Century Learning Skills and Technology tools. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. Only offered at MCTC and East, but any student may take the course.
COURSE TITLE:	CONSTRUCTION SYSTEMS – LOCAL PROGRAM OF STUDY
Course Number: 2424 CONSTR SYS REQUIRED <i>Grades 09-12</i>	The Construction Systems course provides opportunities for students to study and apply technological systems, concepts, and processes as they relate to construction technology. Group and individual activities engage students in creating ideas, developing innovations, and implementing design solutions as they relate to construction systems. Students will utilize problem-solving techniques and manipulative skills while completing laboratory activities to develop an understanding of course concepts. Topics range from how construction meets the needs of society to basic construction techniques. Safety instruction is integrated into all activities. Students are encouraged to become active members of the Technology Student Association (TSA), which is an integral component of the program and provides curricular opportunities that enhance student achievement. The West Virginia Standards for 21 st Century Learning include the following components: 21 st Century Content Standards and 21 st Century Learning Skills and Technology Tools. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. Only offered at MCTC and East, but any student may take the course.
COURSE TITLE:	FOUNDATIONS IN ENGINEERING – LOCAL PROGRAM OF STUDY
Course Number: 2436 REQUIRED <i>Grades 09-12</i>	The Foundations in Engineering course provides opportunities for students to study and apply basic principles of materials, mechanisms, structures, electricity, electronic control, fluidics, computer control, and graphic communication and how they can be integrated and used to solve a variety of complex technical challenges. Students work in engineering teams to develop work process skills, such as researching, writing, organizing, modeling, calculating, analyzing, and communicating with others. Students will utilize problem-solving techniques and manipulative skills while completing laboratory activities to develop an understanding of course concepts. Safety instruction is integrated into all activities.
COURSE TITLE:	MECHANICAL SERVICES SYSTEMS – LOCAL PROGRAM OF STUDY
Course Number: 2445 REQUIRED <i>Grades 09-12</i>	Mechanical Services Systems This course will introduce students to the basic principles of mechanisms, electricity/electronics and fluidics involved in the support, maintenance, design, and installation of all types of mechanical and electrical devices. Students will explore a variety of techniques used in the 20 mechanical services industry and apply this knowledge in a variety of hands-on activities. Safety instruction is integrated into all activities. (Open to 10th graders at East Fairmont and West Fairmont students.)

COURSE TITLE:	AC AEROSPACE ENGINEERING IV
Course Number: 1543 REQUIRED	A one-credit course designed to enhance students' knowledge of flight. Students will be engaged in projects that require extensive research, concept application, and prototype development. The capstone project will be presented and defended before a select panel of reviewers.

Transportation, Distribution and Logistics Cluster

PROGRAM OF STUDY: AUTOMOTIVE TECHNOLOGY	PROGRAM OF STUDY: COLLISION REPAIR TECHNOLOGY
Automotive Technology MLR – 1	Fundamentals of Collision Repair
Automotive Technology MLR – 2	Non-structural Analysis and Damage Repair
Automotive Technology MLR – 3	Structural Analysis and Damage Repair
Automotive Technology MLR – 4	Surface Preparation and Refinishing
Automotive Technology AST – 1	Detailing and Interior Parts
Automotive Technology AST – 2	Refinishing Techniques
Automotive Technology AST – 3	Mechanical and Electrical Components
Automotive Technology AST - 4	Custom Finishing Processes

PROGRAM OF STUDY: TR1620 AUTOMOTIVE TECHNOLOGY

COURSE TITLE:	AUTOMOTIVE TECHNOLOGY MLR – 1
Course Number: 1631 MLR - 1 REQUIRED	The Automotive Technology MLR - 1 course introduces the student to the knowledge base and technical skills as they relate to the field of Automotive Technology. In the Automotive Technology MLR-1 class areas of study include Automotive Service Consultant, Career Opportunities and Practices, Shop and Personal Safety, Tools and Equipment, Preparing Vehicle for Service, Electrical-General Electrical System Diagnosis, Electrical-Diagnosis and Service of Batteries, and Engines-Lubrication and Cooling 4 Systems Diagnosis and Repair. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, SkillsUSA West Virginia. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets
COURSE TITLE:	AUTOMOTIVE TECHNOLOGY MLR – 2
Course Number: 1623 MLR - 2 REQUIRED	The Automotive Technology MLR-2 continues as students are exposed to skills sets in areas such as Steering and Suspension-Diagnosis and Repair of Wheels and Tires, Brakes-Diagnosis and Repair of Hydraulic Systems, Brakes-Diagnosis and Repair of Drum Brake Systems, Brakes-Diagnosis and Repair of Disk Brake Systems, Brakes-Diagnosis and Repair of Power Assist Units, Brakes Diagnosis and Repair of Miscellaneous Automotive Items, Brakes-Diagnosis and Repair of Antilock Brake Systems and Steering and Suspension-Diagnosis of Steering & Suspension Systems. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.

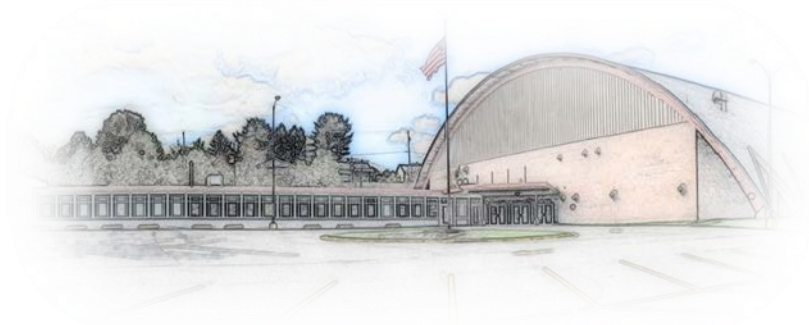
COURSE TITLE:	AUTOMOTIVE TECHNOLOGY MLR – 3
Course Number: 1625 MLR - 3 REQUIRED	The Automotive Technology MLR-3 build students' skill sets in the areas of Electrical-Demonstrate Starting System Diagnosis and Repair, Electrical-Demonstrate Charging System Diagnosis and Repair; Electrical-Demonstrate Lighting System Diagnosis and Repair, Electrical-Demonstrate Accessories System Diagnosis and Repair, Engines, General Engines, Engines-Diagnosis and Repair of Cylinder Head and Valve Train, and Engine Performance-General Engine Diagnosis. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets
COURSE TITLE:	AUTOMOTIVE TECHNOLOGY MLR – 4
Course Number: 1637 MLR - 4 REQUIRED	The Automotive Technology MLR-4 completes the concentration with skills sets in the areas of Engine Performance-Computerized Engine Controls; Engine Performance-Fuel, Air Induction, and Exhaust Systems Diagnosis and Repair; Engine Performance-Emissions Control Systems Diagnosis and Repair; Automatic Transmission and Transaxle-Diagnosis Maintenance, and Adjustment; Manual Drive Train and Axles-Diagnosis, Maintenance, and Adjustment; and Heating and Air Conditioning-Diagnosis, Maintenance, and Adjustment. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the five student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.
COURSE TITLE:	AUTOMOTIVE TECHNOLOGY AST – 1
Course Number: 1629 AUTOTCH AST1 ELECTIVE	The Automotive Technology AST-1 skill sets will introduce students to the skills sets related to Electrical-Electrical/Electronic System Basics; and Alternative Fuels-Hybrid Vehicles; NAFTC Program or Additional Electrical Tasks from NATEF MAST Program. This course is recommended as an Elective in Automotive Technology.
COURSE TITLE:	AUTOMOTIVE TECHNOLOGY AST – 2
Course Number: 1633 AUTOTCH AST2 ELECTIVE	The Automotive Technology AST-2 students will concentrate on the skills sets related to Steering and Suspension and Brakes. This course is recommended as an Elective in Automotive Technology.
COURSE TITLE:	AUTOMOTIVE TECHNOLOGY AST – 3
Course Number: 1635 AUTOTCH AST3 ELECTIVE	The Automotive Technology AST-3 course will introduce students to Engines-General Engines: Engine Diagnosis; Removal and Re-installation (R&R); Engines-Diagnosis and Repair of Cooling and Lubrication Systems; and Engine Performance-General Engine Diagnosis. This course is recommended as an Elective in Automotive Technology.
COURSE TITLE:	AUTOMOTIVE TECHNOLOGY AST - 4
Course Number: 1627 AUTOTCH AST4 ELECTIVE	The Automotive Technology AST-4 course will introduce students to the skills, technology, and service of Automatic Transmission and Transaxle-Diagnosis, Maintenance, Repair and Adjustment; Manual Drive Train and Axles-Diagnosis, Maintenance, Repair and Adjustment; and Heating and Air Conditioning-Diagnosis, Maintenance, Repair and Adjustment. This course is recommended as an Elective in Automotive Technology.

PROGRAM OF STUDY: TR1670 COLLISION REPAIR TECHNOLOGY

COURSE TITLE:	FUNDAMENTALS OF COLLISION REPAIR TECHNOLOGY
Course Number: 1671 COL-FUNDMTL	The Fundamentals of Collision Repair Technology course introduces the student to the knowledge base and technical skills as they relate to the field of Collision Repair Technology. In the Fundamentals of Collision Repair Technology class areas of study include career opportunities and practices, integrated academics, knowledge of tools and equipment, panel

REQUIRED	straightening techniques, and introduction to vehicle preparation. Safety instruction is integrated into all activities. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. First Year Course, Only offered at MCTC, but any student may take the course.
<i>Grades 11-12</i>	
COURSE TITLE:	NON-STRUCTURAL ANALYSIS AND DAMAGE REPAIR
Course Number:	The Non-Structural Analysis and Damage Repair course will continue to build student skill sets in non-structural analysis and repair of metal and composite parts. Students will utilize integrated academics, problem-solving techniques, and manipulative skills while completing lab activities to develop an understanding of course concepts. Safety instruction is integrated into all activities. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. Second Year Course, Only offered at MCTC, but any student may take the course.
1675 COL-NONSTRCT REQUIRED	
<i>Grade 12</i>	
COURSE TITLE:	STRUCTURAL ANALYSIS AND DAMAGE REPAIR
Course Number:	The Structural Analysis and Damage Repair course will continue to build student skill sets in frame and unibody type vehicles using welding techniques, measuring equipment, and frame machines. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. Second Year Course, Only offered at MCTC, but any student may take the course.
1677 COL-STRCT REQUIRED	
<i>Grade 12</i>	
COURSE TITLE:	SURFACE PREPARATION AND REFINISHING
Course Number:	The Surface Preparation and Refinishing course will continue to build student skill sets in preparing a surface for refinishing; inspecting, cleaning and operating spraying equipment; detailing a vehicle; and diagnosing finish defects. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. First Year Course, Only offered at MCTC, but any student may take the course.
1679 COL-SURFACE REQUIRED	
<i>Grades 11-12</i>	
COURSE TITLE:	DETAILING AND INTERIOR PARTS
Course Number:	The Detailing and Interior Parts skill sets in this course are representative of the basic knowledge included in a Career and Technical Collision Repair Technology Program of Study. Incorporated into this course are elements of introductory knowledge and skills necessary in detailing and interior parts for those enrolled in Collision Repair Technology. This course is recommended as an Elective in Collision Repair Technology.
1672 COL-DTL INTR RECOMMENDED ELECTIVES	
COURSE TITLE:	REFINISHING TECHNIQUES
Course Number:	The Refinishing Techniques skill sets in this course are representative of the basic knowledge included in a Career and Technical Collision Repair Technology Program of Study. Incorporated into this course are elements of advanced refinishing skills necessary for a career in the collision repair industry. This course is recommended as an Elective in Collision Repair Technology.
1674 COL-ADV REF RECOMMENDED ELECTIVES	
COURSE TITLE:	MECHANICAL AND ELECTRICAL COMPONENTS
Course Number:	The Mechanical and Electrical Components skill sets in this course are representative of the basic knowledge included in a Career and Technical Collision Repair Technology Program of Study. Incorporated into this course are elements of introductory knowledge and skills necessary for mechanical and electrical repairs as they apply to Collision Repair Technology. This course is recommended as an Elective in Collision Repair Technology.
1673 COL-MECH RECOMMENDED	

ELECTIVES	
COURSE TITLE:	CUSTOM FINISHING PROCESSES
Course Number: 1676 COLCST FINPRO RECOMMENDED ELECTIVES	The Custom Finishing Processes skill sets in this course are representative of the basic knowledge included in a Career and Technical Collision Repair Technology Program of Study. Incorporated into this course are elements of advanced custom finishing processes and skills necessary for a career in the collision repair industry. This course is recommended as an Elective in Collision Repair Technology.



Marion County Board of Education

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