

Wheeler High School

2020-2021

Course Selection Guide

Home of the Bearcats

GUIDANCE OFFICE

Hours: 7:15 a.m. – 3:05 p.m.

Mrs. Gibson, Counselor ext. 2226

Mr. Rosta, Counselor ext. 2335

Mrs. Anderson, Secretary ext. 2228

COUNSELOR ASSIGNMENTS

<u>Alphabet Assignment</u>	<u>Counselor</u>	<u>Email Address</u>
A-L	Mr. Rosta	mrosta@union.k12.in.us
M-Z	Mrs. Gibson	agibson@union.k12.in.us

Guidance & Counseling

Guidance is the total activity involved in aiding all student to grow in self-understanding and self-direction, and to aid student development both socially and scholastically. Although students are assigned a specific counselor, this assignment is for scheduling, programming, and organizational purposes. Students are free to see any counselor if they so desire.

Counselors give students assistance by:

- Dealing with current personal, social, and educational concerns of the student.
- Providing information and assistance to individual students on planning for their education or work beyond high school, including assistance in submitting applications.
- Planning a high school program to meet entrance requirements of various post-high school educational institutions or entry-level jobs.
- Helping students investigate possible career/vocational and/or college choices.
- Helping students adjust to a new school.

All student records and personal information is considered private and confidential. Information will not be released to third parties without written consent of the parent/guardian or the student who is of legal age. No third party recipient of records shall be release any part without written consent.

Graduation Requirements

CREDITS

Every student must have at least 40 credits in order to receive a diploma from Wheeler High School. One credit is given for each class passed each trimester. If a student retakes a course, both grades appear on the student's transcript, but only one credit is given.

GRADE REPLACEMENT POLICY

When a student retakes any course, only the higher grade will be calculated in the student's grade point average, and the lower grade will be treated as an audit. An audit grade appears on a transcript the same as the grade given, and all courses will remain on the transcript.

STANDARDS OF GRADING

GPA Index Scale for Plus (+) and Minus (-) Grades

A+	=	4.0
A	=	4.0
A-	=	4.0
B+	=	3.0
B	=	3.0
B-	=	3.0
C+	=	2.0
C	=	2.0
C-	=	2.0
D+	=	1.0
D	=	1.0
D-	=	1.0
F	=	0.00

All accelerated classes are identified with Honors or Advanced Placement (AP) and will reflect an additional 1.0 on the grade index.

Classroom teachers will recommend students for enrollment in Honors and AP classes based upon classroom performance and certain test scores. Several Honors and AP classes are available to all students who wish to pursue a more rigorous curriculum.

Honor roll is based on GPA. The requirement for A honor roll is a student must achieve a 3.5 or better average with no grade lower than a C. The requirement of B honor roll is a student must earn a 3.0 average with no grade lower than a C. Any grade, D or lower, in a course disqualifies a student from the honor roll.

CLASS RANK AND GRADUATION HONORS

Wheeler High School does not rank its students, unless necessary for scholarship awards. Please see your guidance counselor for this information when necessary.

Distinguished Honors at Graduation

Grade point average is based on a 4.0 scale. A weighted factor is used for Honors and AP classes resulting in an individual's GPA exceeding a 4.0.

Three distinct classification will be recognized: **Summa Cum Laude**, "with highest honors" (direct translation: "with highest praise") will be individuals at or above a GPA of 4.200. **Magna Cum Laude**, "with great honor" (direct translation: "with great praise") will be individuals with a GPA between 4.000 and 4.199, and **Cum Laude**, "with honor" (direct translation: "with praise") will be individuals with a GPA between 3.900 and 3.999. To qualify for any of these distinctions, individuals will need to meet the requirements by the end of the 11th trimester.

EARLY GRADUATION

Junior and senior students who have completed all graduation requirements for the State of Indiana and Wheeler High School may request to graduate early. Students need to plan ahead carefully when considering this option. This decision should include a detailed plan of completing all required courses (may include summer courses) and students should work closely with their prospective college admissions office. Applications for early graduation are located with students' guidance counselor. The following criteria shall apply for students who make this request:

- The student must request early graduation and present in writing his/her reason for early release no later than the 3rd trimester of his/her junior year for senior graduation
- The request must meet the approval of the high school guidance counselor and principal

- c. Students must obtain an application in the guidance office. Parent and student signature are required on the application.

SUBJECT REQUIREMENTS

Every student must successfully complete the following courses:

4 years of English	2 trimesters of Geography OR 1 year World History
3 years of Math (Algebra I, Geometry, and Algebra II)	1 year of U.S. History – 11 th grade
3 years of Science	1 trimester of Government – 12 th grade
2 trimesters of Physical Education – 9 th grade	1 trimester of Economics – 12 th grade
1 trimester each of Personal Finance, College & Careers, and Speech	1 trimester of Health – 9 th or 10 th grade

Indiana Core 40

STUDENTS:

- Must meet the Core 40 standard to be considered for admission to an Indiana four-year college or university.
- Should meet the Core 40 standard to ensure success in one-year and two-year college and technical training programs.
- Should meet the Core 40 standard to ensure success in the workforce.

Succeeding with Core 40

Core 40 became Indiana's required high school curriculum with the class of 2010. Students entering high school at that time and after are expected to complete Core 40 as a graduation requirement.

By providing all Indiana students a balanced sequence of academically rigorous high school courses in the core subjects of English/language arts, mathematics, science, and social studies, physical education/health and wellness, and electives including world languages, career/technical, and fine arts, the Core 40 requirement gives all our students to compete with the best.

To graduate with less than Core 40, a student must complete a formal opt-out process involving parental consent. See your school counselor for full details.

For more information about Core 40 and your career and course plan, see your counselor and/or visit the *Learn More Resource Center* at www.learnmoreindiana.org.

Ninth-grade students should develop a career and academic plan with their parents and guidance counselor. The Indiana Core 40 requirements guide this planning process.

Daily Bell Schedule

<u>Period</u>	<u>Start of Period</u>	<u>End of Period</u>
1	7:45 am	8:52 am
2	8:57 am	10:04 am
3	10:09 am	11:16 am
4	11:21 am	12:21 pm
A Lunch	11:21 am	11:51 am
B Lunch	11:51 am	12:21 pm
5	12:26 pm	1:33 pm
6	1:38 pm	2:45 pm

GRADUATION REQUIREMENTS...CLASS OF 2016 AND BEYOND

	CORE 40	CORE 40 WITH TECHNICAL HONORS	CORE 40 WITH ACADEMIC HONORS
ENGLISH	8 credits	8 credits	8 credits
	English 9, 10, 11, 12	English 9, 10, 11, 12	English 9, 10, 11, 12
MATH	6 credits	6 credits	8 credits
	Algebra I	Algebra I	Algebra I
	Geometry	Geometry	Geometry
	Algebra II	Algebra II	Algebra II
	*Beginning in 2016, students must take a math or quantitative reasoning course each year in high school.		
SCIENCE	6 credits	6 credits	6 credits
	Biology	Biology	Biology
	Chemistry	Chemistry	Chemistry
	And 2 additional credits from Physics, Earth & Space Science, Biology II, or AP Chemistry	And 2 additional credits from Physics, Earth & Space Science, Biology II, or AP Chemistry	And 2 additional credits from Physics, Earth & Space Science, Biology II, or AP Chemistry
SOCIAL STUDIES	6 credits	6 credits	6 credits
	Geography or World History and U.S. History and Government and Economics	Geography or World History and U.S. History and Government (t) and Economics (t)	Geography or World History and U.S. History and Government (t) and Economics (t)
BUSINESS & FACS	2 credits	2 credits	2 credits
	Adult Roles & Responsibilities and Preparing for College & Careers	Adult Roles & Responsibilities and Preparing for College & Careers	Adult Roles & Responsibilities and Preparing for College & Careers
HEALTH P.E.	1 credit 2 credits	1 credit 2 credits	1 credit 2 credits
	5 directed electives from the following:	elective credits	WORLD LANGUAGE (6 or 8 credits)
	World Languages		3 years of one language or
	Fine Arts		2 years each of two languages
	Career Technical		
			FINES ARTS (2 credits)
			Art I: Fashion & Textiles Foundations, Introduction to Housing & Interior Design, Intro to 2D Art, Digital Design
			Drawing I, Ceramics I/II
			Band, Advanced or Concert Choir
			Guitar, Music Appreciation

TOTAL	40 CREDITS	47 CREDITS	47 CREDITS

STUDENT CLASSIFICATION

Students are classified based on the number of years they have been attending high school. In order to participate in certain activities or receive certain privileges (parking, dances, etc.), a student may need to acquire a minimum number of credits.

END OF COURSE ASSESSMENT (ECA) EXAM

Based on requirements from the Indiana Department of Education, students are required to pass the ECA exam in Algebra I and English 10. An opportunity to appeal for a diploma will be made available to students who do not pass these requirements.

Sample Schedules

FRESHMAN

Sample #1

Period	1	2	3	4	5	6
Tri-1	English 9 A	Algebra I A	Biology I A	RESOURCE	Geo./Wld. Hist.	Spanish I A
Tri-2	English 9 B	Algebra I B	Biology I B	RESOURCE	P.E.	Spanish I B
Tri-3	English 9 C	Algebra I C	Geo./Wld. Hist.	RESOURCE	P.E.	College & Careers

Sample #2

Period	1	2	3	4	5	6
Tri-1	English 9 A Hon.	College & Careers	Biology I A Hon.	RESOURCE	P.E.	Geo./Wld. Hist.
Tri-2	Geo./Wld. Hist.	Geometry	Biology I B Hon.	RESOURCE	P.E.	Spanish I A
Tri-3	English 9 B Hon.	Geometry	Band/Choir	RESOURCE	Art I: Intro. 2D	Spanish I B

SOPHOMORE

Sample #1

Period	1	2	3	4	5	6
Tri-1	Intro. Engineering	Geometry A	Chemistry A	RESOURCE	Speech	Adult Roles
Tri-2	English 10 A	Geometry B	Chemistry B	RESOURCE	Health	Spanish II A
Tri-3	English 10 B	Guitar	Intro. Engineering	RESOURCE	Elect P.E.	Spanish II B

Sample #2

Period	1	2	3	4	5	6
Tri-1	English 10 A Hon.	Algebra II A	Chemistry I A	RESOURCE	Elect P.E.	Adult Roles
Tri-2	Ceramics I	Trigonometry	Chemistry I B	RESOURCE	Speech	Spanish II A
Tri-3	English 10 B Hon.	Algebra II B	Band/Choir	RESOURCE	Health	Spanish II B

SCHEDULE CHANGES

Students may not change a class after the Friday before registration for the first trimester. For subsequent trimesters, all scheduling changes must occur by the Friday before finals week. In considering a request for a course withdrawal, a contact must be made with the teacher, parent, counselor, and student. Students may not change their schedule based on instructor preference.

If, as a result of the contact, a student withdraws from a class after the first week of the new trimester, he/she will receive a “W/F” (withdrawal/failure) as a grade for the course. Extenuating circumstances (such as medical problem) that cause a student to withdraw from a class shall be recorded as a “W” (withdrawn). A “W/F” shall count as a credit attempted and will be included in the GPA; a “W” will not be counted as a credit attempted.

Four-Year Plan Sheet

This four-year plan sheet is intended as a blueprint for your high school success. We encourage you to enlist the aid of your parents in selecting courses which will meet your educational career plans. The plan sheet can be revised at any time and will provide an overall view of your academic goals.

9th Grade

1 st Trimester	2 nd Trimester	3 rd Trimester
1	1	1
2	2	2
3	3	3
4 Lunch/Resource	4 Lunch/Resource	4 Lunch/Resource
5	5	5
6	6	6

10th Grade

1 st Trimester	2 nd Trimester	3 rd Trimester
1	1	1
2	2	2
3	3	3
4 Resource/Lunch	4 Resource/Lunch	4 Resource/Lunch
5	5	5
6	6	6

11th Grade

1 st Trimester	2 nd Trimester	3 rd Trimester
1	1	1
2	2	2
3	3	3
4 Lunch/Resource	4 Lunch/Resource	4 Lunch/Resource
5	5	5
6	6	6

12th Grade

1 st Trimester	2 nd Trimester	3 rd Trimester
1	1	1
2	2	2
3	3	3
4 Resource/Lunch	4 Resource/Lunch	4 Resource/Lunch
5	5	5
6	6	6

COURSE DESCRIPTIONS

Please keep in mind that these courses are subject to change based on funding, participation of students, and licensing.

MATHEMATICS

Algebra I

3 trimesters, 3 credits

Prerequisite: None

This course is the foundation course for the development of algebraic skills and concepts necessary to succeed in advanced courses. This course covers computing with real numbers, solving first and second degree equations, factoring, graphing, polynomials, functions, and solving systems of equations. This course provides for the use of algebraic skills in a wide range of problem-solving situations.

Algebra Enrichment

3 trimesters, 3 credits

Prerequisite: None

This course is designed as an extra supportive Algebra I course. The students in this course are selected based upon several criteria (for example: middle school math teacher recommendation and ISTEP scores). The course will give students a second look of Algebra to further their understanding of Algebra concepts. Teachers will utilize various instructional methods to reinforce these basic Algebra skills. Students will receive an elective credit per trimester upon completion of the course.

Math Lab

3 trimesters, 3 credits

Prerequisite: None

This is a course that focuses on mastery of the four basic operations of addition, subtraction, multiplication and division of whole numbers, decimals and fractions using a MAPS (Mathematics Achievement through Problem-Solving) philosophy. Cooperative learning skills are applied to help achieve mathematical reasoning, problem-solving skills, number concepts and the ability to use calculators and computers. Specific units covered are mental arithmetic and estimation, heuristic problem-solving, whole number concepts, rational number concepts, spatial visualization, statistics, probability, applied problem-solving, measurements and intuitive algebra. The source focuses on preparation and remediation for the *Algebra I End of Course Assessment* (ECA).

Geometry

2 trimesters, 2 credits

Prerequisite: Algebra I

Geometry should provide students with experiences that help them understand geometric shapes and their properties. Deductive and inductive reasoning, investigative strategies in drawing conclusions, and an understanding of proof and logic will be used. Properties and relationships of lines, angles, planes, congruent and similar triangles, trigonometric ratios, polygons, and circles will be explored. An in-depth understanding of proof and logic will be developed.

Algebra II**2 trimesters, 2 credits****Prerequisite: Geometry**

This course included a review of Algebra I and an expansion of the topics covered in Algebra I. This course covers relations, functions, polynomials, algebraic fractions, logarithmic and exponential functions, sequences and series, counting principles and probability. Solving higher degree equations and inequalities, and applications of math to science will also be included.

Trigonometry**1 trimester, 1 credit****Prerequisite: Algebra II A**

This course is an introduction to the six basic trigonometric functions, and is recommended for all college-bound students. Topics include basic identities, unit circle, vectors, matrices, complex numbers, triangle problems and graphing of circular functions with applications to science. In class, use of a student owned, hand-held calculator is encouraged. *This course can be concurrently with Algebra II.*

Precalculus**1 trimester, 1 credit****Prerequisite: Algebra II and Trigonometry**

This course is a comprehensive study of advanced algebra, trigonometry, analytic geometry and introductory calculus, and is recommended for all college-bound students. Topics include: equations and graphs of lines, circles, parabolas, ellipses and hyperbolas using rectangular and polar coordinates along with functions, limits, curve sketching, and an introduction to derivatives and integrals with some applications. In class, use of a student owned, hand-held calculator is encouraged.

Probability & Statistics**1 trimester, 1 credit****Prerequisite: Geometry**

This course is intended for students who desire a mathematics course which applies statistical techniques and probability in decision-making process. Topics include methods of data collection, organization of data, presentation and graphing of data, hypothesis testing, making inferences from experimental data, descriptive analysis, probability, and probability distributions. Practical examples based on real experimental data, experiments, surveys, and the analysis of the resulting data are stressed. *The course may be taken concurrently with Algebra II.*

Quantitative Reasoning**1 trimester, 1 credit****Prerequisite: None****Dual Credit/Weighted Grade**

Quantitative Reasoning is a mathematics course focused on the study of numeracy, ratio and proportional reasoning, modeling, probabilistic reasoning to assess risk, and statistics. Students build knowledge of and confidence with basic mathematical/analytical concepts and operations required for problem solving, decision making, and economic productivity in real-world applications and prepare for an increasingly information-based society in which the ability to use and critically evaluate information, especially numerical information, is essential. Technology, such as computers and graphing calculators, should be used frequently. This higher-level mathematics course is designed to align with college-level quantitative reasoning courses for dual secondary/college credit. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

AP Calculus AB**3 trimesters, 3 credits****Prerequisite: Algebra II, Trigonometry, or teacher recommendation****Dual Credit/Weighted Grade**

AP Calculus AB introduces the topics of differential and integral calculus of a single variable. This course is equivalent to [20] weeks of college calculus. Major topics to be covered include: limits and continuity, derivative formulas, detailed graphing and analysis of functions, applications of calculus concepts to real-world story problems, integration formulas, area under a curve, volume of solids, and trigonometric, exponential, and logarithmic applications. Students taking this course will be required to have a graphic calculator (TI 84 preferred). The curriculum is aligned to the College Board guidelines, with actual AP questions used as a guide. This course prepares the student to take the AP Calculus AB exam in May. A student may be rewarded one semester of college credit based on his/her exam score. Credit is rewarded at the discretion of the college.

AP Calculus BC**2 trimesters, 2 credits****Prerequisite: AP Calculus AB****Dual Credit/Weighted Grade**

AP Calculus BC is an extension of AP Calculus AB. This course is equivalent to [30] weeks of college calculus. It includes all the topics listed for AP Calculus AB plus advanced integration techniques, solving logistic differential equations, polynomial approximations and series, and parametric, polar and vector functions applications. Students taking this course will be required to have a graphing calculator (TI 84 preferred). The curriculum is aligned to the College Board guidelines, with actual AP questions used as a guide. This course prepares the student to take the AP Calculus BC exam in May. A score will be receive for the AP Calculus BC exam as well as a score for the AP Calculus AB exam. A student may be rewarded one or two semesters of college credit based on his/her exam score. Credit is rewarded at the discretion of the college.

SCIENCE

Biology I**2 trimesters, 2 credits****Prerequisite: None**

Biology I is a required Core 40 science course for all Indiana students. The course will explore topics in biochemistry (elements and compounds as they relate to living organisms), cell structure, developmental biology, organism structure and system regulation, genetics, ecology, and evolution. In addition, there is an in-depth study of selected biological topics, with an emphasis on the molecular aspects of biology throughout the course. Course activities include lecture, lab activities, video presentations, demonstrations and student projects. Students will be required to complete the Core 40 test as prescribed by the State of Indiana as part of the assessment activities.

Honors Biology I**2 trimesters, 2 credits****Prerequisite: Teacher Recommendation****Weighted Grade**

This is an accelerated course that includes an in-depth exploration of topics in biochemistry (elements and compounds as they relate to living organisms), cell structure, developmental biology, organism structure and system regulation, genetics, ecology, evolution, classification of organisms and the history of life on Earth through geologic time. In addition, there is an in-depth study of selected biological topics, with an emphasis on the molecular aspects of biology throughout the course. Course activities include lecture, lab activities, video presentations, demonstrations and student projects.

Chemistry I**2 trimesters, 2 credits**

Prerequisite: C or better in Algebra I

Concurrent enrollment: Geometry or Algebra II

Chemistry I is a Core 40 class and deals with topics such as matter, atomic structure, chemical bonding, radioactivity, chemical composition, reactions, behavior of gases and acids/bases. Laboratory experiments reinforce concepts and principles discussed in the classroom. Mathematical principles and problem-solving skills are applied to many concepts. This course will provide the student with an adequate background for enrollment in college level chemistry.

Honors Chemistry I

2 trimesters, 2 credits

Prerequisite: B or better Algebra I and Biology/Teacher Recommendation Weighted Grade

Chemistry I is a Core 40 class. This is an accelerated class that deals with topics such as matter, atomic structure, chemical bonding, radioactivity, chemical composition, reactions, behavior of gases and acids/bases. Laboratory experiments reinforce concepts and principles discussed in the classroom. This course will emphasize building the critical thinking skills that are necessary in order to apply basic concept knowledge to solving complex problems through laboratory experiments and error analysis. Mathematical principles and problem-solving skills are also applied to many concepts through other assessments outside of the laboratory. This course will provide the student with an adequate background for enrollment in college level chemistry.

AP Chemistry

3 trimesters, 3 credits

Prerequisite: Algebra II, B or better in Chemistry I and/or teacher recommendation

Dual Credit/Weighted Grade

Advanced Placement Chemistry is a rigorous, calculation-based, lab-intensive course equivalent to first-year college chemistry. College credit may be earned by passing the AP Chemistry exam with a 4 or 5. The course builds on topics covered in Chemistry and adds solutions, equilibrium, kinetics, thermodynamics, organic chemistry, and chemical reactivity. AP Chemistry is conducted at an elevated pace requiring additional classroom time. Students are expected to have strong mathematical skills and work ethic. This course is intended for the college-bound student who plans to major in the sciences and needs a strong background in chemistry. Students will complete an AP test in May that may be used by colleges to award credit in college level chemistry. The exam is paid for by the state of Indiana.

Physics

2 trimesters, 2 credits

Prerequisite: B or better in Algebra I and Geometry

Weighted Grade

Concurrent enrollment: Algebra II

This course offers a conceptual approach to all aspects of physics, with less emphasis on the mathematical aspects. Problem-solving skills will be utilized during the course. It includes the study of vectors, velocity, acceleration, force, energy, momentum, change, mechanics, heat, light, sound, electricity, and magnetism. Students will learn to make predictions about natural phenomena by using physical laws to calculate or estimate these quantities. This course is highly recommended for college bound students who plan to major in a science, medicine, or engineering related areas.

Earth & Space Science

2 trimesters, 2 credits

Prerequisites: Chemistry I or Integrated Chemistry/Physics, and Algebra I

This course is designed for students to study the formation of our solar system, structure of Earth, minerals and rocks of the Earth, weathering and erosion, hydrology, plate tectonics, weather and meteorology, astronomy and geological history. Students analyze and describe earth's interconnected systems and examine how earth's materials, landforms, and continents are modified across geological time. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures. Lab activities, projects and presentations are required. Students must pass the first trimester to continue in the second half.

Earth & Space Science II**2 trimesters, 2 credits****Prerequisites: None****Dual Credit**

Earth and Space Science II is an extended laboratory, field, and literature investigations-based course whereby students apply concepts from other scientific disciplines in synthesizing theoretical models of earth and its interactions with the macrocosm. Students enrolled in this course examine various earth and space science phenomena, such as the structure, composition, and interconnected systems of earth and the various processes that shape it, as well as earth's lithosphere, atmosphere, hydrosphere, and celestial environment. Students analyze and apply the unifying themes of earth and space science as part of scientific inquiry aimed at investigating earth and space science problems related to personal needs and community issues.

Human Genetics**1 trimester, 1 credit****Prerequisites: B or better in Biology I and Chemistry I and/or teacher recommendation****Weighted Grade**

This course will explore topics in cell division, development, transmission genetics, molecular genetics, mutation, cancer, genomic, biotechnology, population genetics, and evolution. Strong emphasis will be placed on DNA and RNA. Moral and ethical issues surrounding new technology will be addressed. Course activities include a lab work for all topics, including experimental breeding of fruit flies, and a research paper on a human genetic disorder with class presentation of findings.

Anatomy & Physiology**2 trimesters, 2 credits****Prerequisite: Biology****Weighted Grade**

Anatomy & Physiology is a course in which students investigate concepts related to Health Science, with emphasis on interdependence of systems and contributions of each system to the maintenance of a healthy body. It introduces students to the cell, which is the basic structural and functional unit of all organisms, and covers tissues, integumentary, skeletal, muscular, and nervous systems as an integrated unit. Through instruction, including laboratory activities, students apply concepts associated with Human Anatomy & Physiology. Students will understand the structure, organization and function of the various components of the healthy body in order to apply this knowledge in all health related fields.

Astronomy**1 trimester, 1 credit****Prerequisite: None****Dual Credit**

This course will provide a research and laboratory based examination of the foundations of planetary astronomy. Students will utilize computer simulations, astronomical data/images, and the laws of physics to replicate and synthesize discoveries made regarding the origin and formation of the solar system. Topics covered include the history of astronomy, astronomical cycles and phenomena, astronomical instruments, formation and evolution of the planets and their satellites, comparative planetology, asteroids, comets, meteors, the sun, and the origin of the solar system.

ENGLISH

English 9**3 trimesters, 3 credits****Prerequisite: None**

This course is designed to introduce students to classical literature. Throughout the course, students will read a variety of grade appropriate fiction and non-fiction works including short stories, essays, poetry, myths, and an epic and Shakespearean play. Students will write and deliver grade-appropriate oral and multimedia presentations, participate in group work, and write essays reflecting upon and analyzing the stories. Grammar, composition, literature, and vocabulary are integrated into a one-year college prep program. Grammar focuses on the grammar and mechanics of writing. Composition involves the writing process. Various types of writing are taught. The literature component has textbook selections, as well as longer works. Vocabulary is included with weekly assignments emphasizing finding meaning from context, analogy practice and use of Greek, Latin, and Anglo-Saxon roots to find meanings.

English 9 Honors**2 trimesters, 2 credits****Prerequisite: Teacher recommendation****Weighted Grade**

This course is an accelerated curriculum introducing students to classical literature. It involves more in-depth study of various units than the general curriculum, including myths and an epic and Shakespearean play. A genre approach is used for literature and longer works, as well as poetry, nonfiction, informational text and short stories, are read. Grammar study focuses on the grammar and mechanics of writing. Composition involves the writing process, and various types of writing are taught and will include character diaries, a dialogue, a comparison/contrast and reflective essay. Vocabulary is taught both as part of the reading selections and as a separate entity. Students write and deliver grade-appropriate oral and multimedia presentations.

English 10**3 trimesters, 3 credits****Prerequisite: None**

English 10 is used to improve students' critical reading, writing, and communication skills. Writing assignments include essays, a character diary, literary analysis, newspaper reports and personal and business letters. In addition, students will give oral presentations relating to the literary selections and their historical time periods. A review of grammar, punctuation and usage will be done throughout this course. Vocabulary is included with weekly assignments, which emphasize finding meanings from context, analogy practice and use of Greek, Latin, and Anglo-Saxon roots. Students write and deliver grade-appropriate oral and multimedia presentations.

English 10 Honors**2 trimesters, 2 credits****Prerequisite: Teacher recommendation****Weighted Grade**

English 10 Honors is an accelerated course involving an in-depth study of reading, writing, and communication skills. Writing assignments include essays, a character diary, literary analysis, newspaper reports and personal and business letters. In addition, students will give oral presentations relating to the literary selections and their historical time periods. A review of grammar, punctuation and usage will be done throughout this course for effective writing skills. Vocabulary is included with weekly assignments, which emphasize finding meanings from context, analogy practice and use of Greek, Latin, and Anglo-Saxon roots. Students write and deliver grade-appropriate oral and multimedia presentations.

English 11**2 trimesters, 2 credits****Prerequisite: None**

This course focuses on American literature from Colonial times to the present. It is a survey of readings that clarify events, theories, theology associated with the development of American society. Students develop their analytical skills by discussing and writing about history and the literature of that time. The literature includes short stories, magazine articles, poetry, fables, scripture, essays, Internet articles, romance excerpts from novels and biographies. Students write cooperatively, as well as individually. Assignments stress prewriting, composition, and editing and revision. Mastery of standard language conventions is stressed in this course. Reflective, persuasive, and analytical essays, as well as other forms of writing are required. In addition, students participate in cooperative learning projects, which focus on technology and workforce readiness. Grammar, punctuation, and usage are addressed with daily language review. Vocabulary study is integrated with the literature study. Students write and deliver grade-appropriate oral and multimedia presentations.

English 11 Honors**2 trimesters, 2 credits****Prerequisite: Teacher recommendation****Dual Credit, Weighted Grade**

English 11 Honors course focuses on American literature from Colonial to modern times. Students participate in in-depth study of events, theories, and theologies associated with the development of American society while they develop their analytical skills by writing about history and the literature that brought people to become American citizens. Readings include short stories, magazine articles, poetry, fables, scripture, essays, Internet articles, romance, novels, and biographies. Writing assignments, co-operative as well as individual, stress prewriting, composition, and editing. Peer review, editing, and revision is done on each major paper. In addition, students participate in cooperative learning projects, which focus on technology and workforce readiness. Grammar, punctuation, and usage are addressed with daily language review. Vocabulary study is integrated with the literature. Students write and deliver grade-appropriate oral and multimedia presentations.

English 12**2 trimesters, 2 credits****Prerequisite: None**

English 12 is a survey course of world literature. Readings include excerpts from the earliest known texts to modern writings. Focus is on understanding the cultures and times which influenced the style and content of the texts. Writing assignments include analytical, reflective, and persuasive and researched essays, as well as forms of business writing. Grammar, punctuation, and usage are addressed with daily language practice and on a prescriptive basis. Vocabulary is integrated in the literature study. Students write and deliver grade-appropriate oral and multimedia presentations.

English 12 Honors**2 trimesters, 2 credits****Prerequisite: Teacher recommendation****Dual Credit/Weighted Grade**

This course focuses on the social/political influence on literature from the Middle Ages to the Modern Era. The literature includes short stories, magazine articles, poetry, fables, scripture, essays, Internet articles, romance, and novels. Writing assignments stress prewriting, composition, and editing. College preparatory writing, a research essay, and multimedia oral presentations are individually developed. In addition, students participate in cooperative learning projects, which focus on technology and workforce readiness. Grammar, punctuation, and usage are addressed with daily language review and on prescriptive basis. Vocabulary is integrated in the literature study. Students write and deliver grade-appropriate oral and multimedia presentations.

English Enrichment**3 trimesters, 3 credits****Prerequisite: Teacher recommendation**

This course is designed to strengthen the reading and writing skills of student who have not performed well in language arts on standardized tests or in the classroom. Students practice a wide variety of reading strategies and ways to respond to literature. In addition, they review literary terms and conventions, as well as methods of evaluating literature. Essay writing instruction focuses on strong organization and development of ideas with elaboration. This course focuses on preparation and remediation for the *English 10 End of Course Assessment* (ECA).

Speech**1 trimester, 1 credit****Prerequisite: None**

Speech is designed to give students a variety of public speaking styles, using verbal and non-verbal communication. Throughout the course, students focus on developing communication skills of receiving and sending messages by presenting six different types of speeches, including but not limited to introductory, demonstrative, informative, and persuasive.

Advanced Speech & Communication**1 trimester, 1 credit****Prerequisite: Speech****Weighted Grade/Dual Credit**

Advanced Speech and Communication, a course based on the Indiana Academic Standards for English/Language Arts and emphasizing the High School Speech and Communication Standards, is the study and application of skills in listening, oral

interpretation, media communications, research methods, and oral debate. Students deliver different types of oral and multimedia presentations, including speeches to inform, to motivate, to entertain, and to persuade through the use of impromptu, extemporaneous, memorized, or manuscript delivery.

Creative Writing**1 trimester, 1 credit****Prerequisite: Honors English 11****Dual Credit**

Writing is one of the constants of all collegiate experiences regardless of choice of major. *Creative Writing* is designed to aid students in their creative expression, as well as writing delivery. This course will be very much writing-intensive, but will explore journalistic writing style, the writing of short stories, college applications, and the assortment of other writing templates that will prepare students to write effectively to meet the requirements or expectations of their reader. *Creative Writing* will also hone students' writing skills necessary for the ACT and/or SAT written portion.

Student Publications**3 trimesters, 3 credits****Prerequisite: B or better in English; sophomores, juniors or seniors; and/or teacher recommendation/interview**

This course is the study of journalism and the publishing process. Students are involved in the production of the yearbook from the planning stages through the completed product. Students are involved in composition, selling advertisements, producing photography, copywriting, editing, completion of various layout designs, and proofreading. Other journalistic mediums will also be covered as time allows. *Student Publications* is a co-curricular class since it includes participation during school and outside of school. Students must take the first trimester before taking second or third trimesters.

Mass Media**1 trimester, 1 credit****Prerequisite: None**

Mass Media, a course based on the High School Journalism Standards and the Mass Media and Media Literacy Standards, is the study of the importance of mass media as pervasive in modern life at the local, national, and global levels. It includes a study of the impact of constant and immediate news, entertainment, and persuasive messages on everyday life. Students use course content to become knowledgeable consumers of mass media in preparation for their roles as informed citizens in a democratic society. For the second credit: Students continue to critically analyze mass media products and messages as they influence societal rules. By the end of the semester, students complete a multimedia project comparing different aspects of a topic of interest or concern. The project demonstrates knowledge, application, and progress in Mass Media course content.

Intro to Literature**1 trimester, 1 credit****Prerequisite: Honors English 12****Dual Credit**

A thematic introductory literature course. Students will read American and/or English literature in relation to a specific cultural problem or theme. Students will be introduced to critical/ literary approaches, draw conclusions about similarities and differences between texts (both in terms of content and technique), and practice written response to the texts.

SOCIAL STUDIES

World History**2 trimesters, 2 credit****Prerequisite: None**

This course covers the beginning of human society through the Medieval ages, then onto the Renaissance and the Era of Global Imperialism, and ending with the 20th Century. While historical events are unique, they often are driven by similar, repeating forces. In learning the history of our world, this class will focus on eight themes: power and authority, religious and ethical systems, revolution, interactions with environment, economics, cultural interaction, empire building, and science and technology.

Geography**2 trimesters, 2 credits****Prerequisite: None**

Geography is designed to provide students with an overview of physical and cultural geography. This course will enable students to use the geographical view of looking at the world to deepen their understanding of major global themes that have manifested themselves over time. In this class, specific geographic and historical skills and concepts of historical geography are used to explore global themes. Geography is designed to nurture perceptive and responsible citizenship, to encourage and support the development of critical thinking skills and lifelong lessons, and to help prepare Indiana students for employment in the 21st Century. Students can choose to take this course instead of two trimesters of World History or as an elective if the social studies credits have been met through taking World History.

U.S. History**2 trimesters, 2 credits****Prerequisite: None**

This course is the study of the United States from the 1850s to today, and builds upon concepts developed in previous studies of American history with an emphasis on national development. Emphasis is given to twentieth century events and policies, as well as their consequences. After review of fundamental themes in the early development of the Nation, students study the key events, people, groups, and movements in the late nineteenth, twentieth, and early twenty-first centuries.

U.S. History Honors**2 trimesters, 2 credits****Prerequisite: B or better in English 10 and/or teacher recommendation****Dual Credit/Weighted Grade**

This course is the study of the United States from the 1850s to today, and builds upon concepts developed in previous studies of American history with an emphasis on national development. Emphasis is given to twentieth century events and policies, as well as their consequences. After review of fundamental themes in the early development of the Nation, students study the key events, people, groups, and movements in the late nineteenth, twentieth, and early twenty-first centuries. Students in this course are expected to meet more stringent requirements which include essay tests, primary source research, two book reviews, multimedia presentations and/or research paper.

Economics**1 trimester, 1 credit****Prerequisite: None**

Economics is the study of the allocation of limited resources among unlimited needs. In this class, students will study different economic ideologies and their goals, prices, taxes, international trade, and the basics of investing. This course gives students the opportunity to study the U.S. market system and the roles that the consumer, producer, and government play in it. It focuses more directly on the rights and responsibilities of each entity, consumer protection acts, supply and demand, market structure, and principles of economic regulation. Financial services and the monetary system in the U.S. are also covered. Students will be involved in a number of simulations within the classroom throughout the term in order to give them a more hands on approach to some of the topics being discussed.

Economics Honors**1 trimester, 1 credit****Prerequisite: B or better in English 10 or 11 and/or teacher recommendation****Weighted Grade**

Economics Honors is the study of the allocation of limited resources among unlimited needs. In this class, students will study different economic ideologies and their goals, prices, taxes, international trade, and the basics of investing. Students will be involved in a number of simulations within the classroom throughout the term in order to give them a more hands on approach to some of the topics being discussed. Students in this course are expected to meet more stringent requirements. This course will dive deeper into economics from both a micro and macro point of view. Topics covered include: scarcity, supply and demand, market structure, calculating GDP, the government's role, financial institutions, the Federal Reserve, and the global economy. A large part of this course is based on the students' ability to work independently and at a much faster pace than the regular class.

Government**1 trimester, 1 credit****Prerequisite: U.S. History recommended**

U.S. Government is the study of the American governmental system. Students who take this class will gain a better understanding of the Constitution, the three branches of the U.S. Government, and the election process at the state and federal levels. Emphasis is placed on the federal government and current national events and ends with the study of civil rights.

AP Government**1 trimester, 1 credit****Prerequisite: U.S. History, B or better in English 10 or 11 and/or teacher recommendation Dual Credit/Weighted Grade**

This course is the most advanced study of the American governmental system. Students will participate in an in-depth analysis of the integral parts of the American form of democracy through research, group discussions, projects, and critical-thinking exercises. AP Government is an in-depth study of the theory, structure, and application of our federal system of government. Knowledge of our political system, past and present, will be an integral part of this course. Students will be required to submit at least one paper in addition to the regular class requirements. An active interest in the current political landscape would be essential for success in this class.

Psychology Honors**1 trimester, 1 credit****Prerequisite: B or better in English 10 or 11 and/or teacher recommendation****Dual Credit/Weighted Grade**

Psychology is the study of human behavior on an individual-by-individual basis. Students who take this course will gain a better understanding of their own behavior and develop insight into the behavior of others. This course is an introduction to psychology and will provide background that will be useful in college-level courses. Students have the opportunity to explore psychology as the scientific study of mental processes and behavior. Students are required to cover a large amount of material in a short amount of time, and therefore, will have to work independently on some material. Topics include: scientific method, development through lifespan, cognition, conditioning, learning methods, personality, and abnormal psychology. There are many papers and projects to be completed throughout this course, as well.

Sociology**1 trimester, 1 credit****Prerequisite: B or better in English 10 or 11 and/or teacher recommendation**

Sociology is the study of human behavior in groups. Emphasis is placed on basic concepts used in sociological study, as well as the nature of society, culture, social problems, and various social institutions such as the family, education, and religion. Although this is an elective course, it requires participation in class discussion, activities, and students are expected to read the textbook. In addition, students are required to complete ten hours of community service as one of their class projects. This course is an introduction to sociology and will provide background that will be useful in college-level courses.

WORLD LANGUAGES

RECOMMENDATION: College-bound students are encouraged to take foreign language. Honors Diploma students are required to take at least three years of one foreign language or two years of two different foreign languages.

French I

2 trimesters, 2 credits

Prerequisite: None

Level I world language courses provide instruction enabling students to discuss the many reasons for learning languages and to develop an understanding of the people who speak them. Students are able to apply effective strategies for language learning and show a willingness to experience various aspects of the cultures. Within this context, the course provides students with the opportunity to:

- Practice their reading, writing, listening, and speaking skills in context by doing trivia questions and answers from using the short stories from the textbook
- Learn vocabulary and complete verb worksheets
- Perform short skits in pair groups based off the short stories from the textbook
- Expand their knowledge of culture, history, and geography through the integration of videos, songs, maps, cultural realia, and current events

French II

2 trimesters, 2 credits

Prerequisite: World Language I in the language studied

Level II world language courses provide instruction enabling students to discuss the many reasons for learning languages and to develop an understanding of the people who speak them. Students are able to apply effective strategies for language learning and show a willingness to experience various aspects of the cultures. Within this context, the course provides students with the opportunity to:

- Practice their reading, writing, listening, and speaking skills in context by doing trivia questions and answers from using the short stories from the textbook
- Learn vocabulary and complete verb worksheets
- Perform short skits in pair groups based off the short stories from the textbook
- Expand their knowledge of culture, history, and geography through the integration of videos, songs, maps, cultural realia, and current events

French III

2 trimesters, 2 credits

Prerequisite: World Language II in the language studied

Level III world language courses provide instruction enabling students to understand and appreciate other cultures by preparing social behaviors and values of people using the languages being learned. Students are willing to initiate and participate in discussions concerning these cultures. Using stories and current events as the textbook, students will:

- Continue to develop language fluency using more complex sentence structures and different verb tenses
- Work in pair groups to perform skits, answer trivia question and answers, complete vocabulary and verb worksheets, and summarize activities
- Engage in free-speaks
- Investigate in German- or French-related topics of their choosing

French IV

2 trimesters, 2 credits

Prerequisite: World Language III in the language studied

Weighted Grade

Level IV world language courses provide instruction enabling students to understand and appreciate other cultures by preparing social behaviors and values of people using the languages being learned. Students are willing to initiate and participate in discussions concerning these cultures. Using stories and current events as the textbook, students will:

- Continue to develop language fluency using more complex sentence structures and different verb tenses
- Work in pair groups to perform skits, answer trivia question and answers, complete vocabulary and verb worksheets, and summarize activities
- Engage in free-speaks
- Investigate in German- or French-related topics of their choosing

Spanish I

2 trimesters, 2 credits

Prerequisite: None

Level I world language courses provide instruction enabling students to discuss the many reasons for learning languages and to develop an understanding of the people who speak them. Students are able to apply effective strategies for language learning and show a willingness to experience various aspects of the cultures. Within this context, the course provides students with the opportunities to:

- Respond to and give oral directions and commands and to make routine requests in the classroom and in public
- Understand and use appropriate forms of address in courtesy expressions and be able to tell about daily routines and events
- Ask and answer simple questions and participate in brief guided conversations related to their needs and interests
- Read isolated words and phrases in a situational context, such as menus, signs, and schedules
- Comprehend brief written directions and information
- Read short narrative texts on simple topics
- Write familiar words and phrases in appropriate contexts and respond in writing to various stimuli
- The major holidays and geographical features of the countries being studied
- Greeting and leave taking behaviors in a variety of social situations
- The appropriate way to respond to introductions and use courteous behaviors and appropriate etiquette in a variety of settings

Spanish II

2 trimesters, 2 credits

Prerequisite: World Language I in the language studied

Level II world language courses enable students to participate in classroom and extracurricular activities related to the language studied as well as participate in conversations dealing with daily activities and personal interests. Students are able to:

- Participate in conversation on a variety of topics
- Relate a simple narrative about a personal experience or event
- Interact in a variety of situations to meet personal needs, such as asking permission, asking for or responding to an offer of help, and expressing preferences pertaining to everyday life
- Understand main ideas and facts from simple texts over familiar topics
- Read aloud with appropriate intonation and pronunciation

Spanish III

2 trimesters, 2 credits

Prerequisite: World Language II in the language studied

Level III world language courses provide instruction enabling students to understand and appreciate other cultures by preparing social behaviors and values of people using the languages being learned. Students are willing to initiate and participate in discussions concerning these cultures. Students will:

- Respond to factual and interpretive questions and interact in a variety of social situations and use more than rote memory formula phrases
- Read for comprehension from a variety of authentic materials and from short literary selections of poetry, plays and short stories
- Write paraphrases, summaries, and brief compositions
- Describe different aspects of the culture, using the world language where appropriate
- Communicate and participate appropriately at special family functions increase significantly their knowledge of vocabulary

Spanish IV

2 trimesters, 2 credits

Prerequisite: World Language III in the language studied

Weighted Grade

Level IV world language courses provide instruction enabling students to participate in classroom and extracurricular activities related to the language studied and taking leadership roles in language clubs. Students are able to participate in conversations with native and advanced non-native speakers. Students will be able to:

- Respond to factual and interpretive questions and interact in complex social situations, and express opinions and make judgments; paraphrase or restate what someone else has said
- Give presentations on cultural topics
- Read for comprehension from a variety of longer authentic materials and make judgments about what is written
- Begin using the language creatively
- Be able to adjust speech appropriately to the situational audience
- Be able to participate appropriately in a variety of circumstances

Level V Foreign Language

2 trimesters, 2 credits

Prerequisite: Level III or higher in language studied and/or teacher recommendation

Level V world language courses will enhance the skills learned in the prior world language studied, and is offered at the teacher's discretion and needs of the students. Students should speak with their teacher regarding this opportunity.

BUSINESS

Introduction to Business

1 trimester, 1 credit

Prerequisite: None

Introduction to Business introduces students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and/or international scale. The course covers business management, entrepreneurship, marketing fundamentals, and business ethics and law. The course develops business vocabulary and provides an overview of business and the role that business plays in economic, social, and political environments.

Principles of Marketing

2 trimesters, 2 credits

Prerequisites: None

Dual Credit

Principles of Marketing provides a basic introduction to the scope and importance of marketing in the global economy. Emphasis is placed on oral and written communications, mathematical applications, problem-solving, and critical thinking skills as they relate to advertising/promotion/selling, distribution, financing, marketing-information management, pricing, and product/service management.

Principles of Business Management**2 trimesters, 2 credits****Prerequisite: Intro to Business****Dual Credit**

Principles of Business Management focuses on the roles and responsibilities of managers as well as opportunities and challenges of ethically managing a business in the free-enterprise system. Students will attain an understanding of management, team building, leadership, problem-solving steps and processes that contribute to the achievement of organizational goals. The management of human and financial resources is emphasized.

Business Law and Ethics**1 trimester, 1 credit****Prerequisite: None****Dual Credit**

Business Law and Ethics provides an overview of the legal system in the business setting. Topics covered include: basics of the judicial system, contract, personal, employment and property law. Application of legal principles and ethical decision-making techniques are presented through problem-solving methods, case review, and situational analyses

Administrative and Office Management**2 trimesters, 2 credits****Prerequisite: Principles of Business Management or Principles of Marketing****Dual Credit**

Administrative and Office Management prepares students to plan, organize, direct, and control the functions and processes of a firm or organization and to perform business-related functions. Students are provided opportunities to develop aptitudes and apply skills and knowledge in the areas of business administration, management, and finance. Individual experiences will be based upon the student's career and educational goals.

Strategic Marketing**2 trimesters, 2 credits****Prerequisite: None****Dual Credit**

Strategic Marketing builds upon the foundations of marketing and applies the functions of marketing at an advanced level. Students will study the basic principles of consumer behavior and examine the application of theories from psychology, social psychology, and economics. The relationship between consumer behavior and marketing activities will be reviewed.

Work Based Learning Capstone**2 trimesters, 4 credits****Prerequisite: At least one advanced career and technical course from a program or a program of study. Student's work site placement must align to student pathway.**

Work Based Learning Capstone is a stand-alone course that prepares students for college and career. This strategy builds students' skills and knowledge in their chosen career path. Work Based Learning Capstone experiences occur in workplaces and involve an employer assigning a student meaningful job tasks to develop his or her skills, knowledge, and readiness for work. A clear partnership agreement and training plan is developed by the student, teacher, and workplace mentor/supervisor to guide the student's work based experiences and assist in evaluating achievement and performance.

In stand-alone WBL Capstone courses, students have the opportunity to apply the concepts, skills, and dispositions learned in their pathways in real world business and industry settings. Therefore, at least 4 credits in a student's pathway would be prerequisite to the student enrolling in the stand-alone WBL course. Work Based experiences need to be in an industry setting closely related to a student's CTE pathway. Instructors must have a clear partnership agreement and training plan for each student participating in Work Based experiences. When a course is offered for multiple hours per semester, the amount of authentic work experience needs to be increased proportionally.

Administrative and Office Management**2 trimesters, 2 credits**

Prerequisite: Principles of Business Management or Principles of Marketing **Dual Credit**

Administrative and Office Management prepares students to plan, organize, direct, and control the functions and processes of a firm or organization and to perform business-related functions. Students are provided opportunities to develop aptitudes and apply skills and knowledge in the areas of business administration, management, and finance. Individual experiences will be based upon the student's career and educational goals.

Strategic Marketing **2 trimesters, 2 credits****Prerequisite: None** **Dual Credit**

Strategic Marketing builds upon the foundations of marketing and applies the functions of marketing at an advanced level. Students will study the basic principles of consumer behavior and examine the application of theories from psychology, social psychology, and economics. The relationship between consumer behavior and marketing activities will be reviewed.

Introduction to Entrepreneurship **2 trimesters, 2 credits****Prerequisite: None**

Introduction to Entrepreneurship provides an overview of what it means to be an entrepreneur. Students will learn about starting and operating a business, marketing products and services, and how to find resources to help in the development of a new venture. This course is ideal for students interested in starting their own art gallery, salon, restaurant, etc.

Entrepreneurship & New Ventures Capstone **2 trimesters, 2 credits****Prerequisite: Minimum of 4 credits from the Business & Marketing Career Cluster**

Entrepreneurship and New Ventures Capstone introduces entrepreneurship, and develop the skills and tools critical for starting and succeeding in a new venture. The entrepreneurial process of opportunity recognition, innovation, value proposition, competitive advantage, venture concept, feasibility analysis, and "go to" market strategies will be explored through mini-case studies of successful and unsuccessful entrepreneurial start-ups. Additionally, topics of government and legal restrictions, intellectual property, franchising location, basic business accounting, raising startup funding, sales and revenue forecasting, 104 Indiana Department of Education High School Course Titles and Descriptions and business plan development will be presented through extensive use of word processing, spreadsheet and presentation software.

ART (Fine Arts)

Art I: Introduction to Two-Dimensional Art **1 trimester, 1 credit****Prerequisite: None**

This course is an introduction to the methods and techniques of art making on a discovery level. Art I emphasizes drawing, color theory, and the principles and elements of art. Areas covered are: drawing, painting, printmaking, design, art appreciation, and art history. Students will examine the significance and meaning of their own art for self-reflection and improvement, as well as the art done by famous artists.

Art History **1 trimester, 1 credit****Prerequisite: None**

Students explore the history of the Visual Arts, including Artists, Stylistic Movements, and the techniques and materials that have been used in the field. They will engage in research, presentations, discussions, and collaborative art projects in order to further their

understanding in each unit of study. Topics covered will span from Prehistoric Art through Contemporary Artists and Art forms, as well as careers in the field of Visual Art and Art History.

Digital Design**1 trimester, 1 credit****Prerequisite: None**

Digital Design is an introduction to computer-based art; students explore digital art-making, using the computer as a tool. Basic skills in Adobe Photoshop are used to create recognizable design projects, and the final project will be a presentation of Photoshop skills and techniques. Also, basic animation concepts are covered. Projects will be based in real-world designs, as well as inspired by master artworks and major movements in Art History. Students will critique artworks from themselves and others and collaborate as design teams to complete tasks.

Drawing I**1 trimester, 1 credit****Prerequisite: Art I**

In this course, emphasis is placed on using observational skills and a variety of drawing techniques to create successful artworks. Students will explore a variety of techniques in drawing media, including pencil, brush and ink, charcoal, and pastels. They will use class critiques and personal reflection to improve their projects. Basic skills including use of line, value, observation, and artwork composition are covered. Class projects include a self-portrait, perspective drawings, and observational still-life drawings. Students are responsible for independent sketchbook activities to enhance their creativity and skill.

Ceramics I**1 trimester, 1 credit****Prerequisite: Art I: Introduction to Two-Dimensional Art**

This course is an introduction to clay and its properties. Students will be introduced to the history of the oldest art form, as well as cultures and artists that worked most successfully in the media. Students learn the progressive fundamentals of pinch, coil, and soft slab hand building techniques. Emphasis will be placed on proper construction, surface design, and glaze options to complete the decoration process. Projects include vases, boxes, whistles, and the construction of a teapot. Students will evaluate and self-critique their own work.

Ceramics II**1 trimester, 1 credit****Prerequisite: Ceramics I**

This course further explores more advanced techniques, such as, hand building with an introduction to sculpture, and advanced decorating. Emphasis is placed on design aesthetics, visual problem-solving, art criticism, and self-critique. Students will research and collect images that fit into a personal aesthetic and compile a portfolio of their work at the end of the trimester. It is recommended that students have strong craftsmanship skills and personal motivation in *Ceramics I* in order to complete *Ceramics II* successfully; this course requires students to work independently in a studio environment.

MUSIC DEPARTMENT (Fine Arts)

Marching Band**1 trimester, 1 credit**

Prerequisite: Middle school band teacher or director approval

First trimester band is the Bearcat Marching Band. This is a co-curricular course that involves participation during school and performs at all the home football games, as well as in the Popcorn Festival Parade, Homecoming Parade, Purdue Band Day, and pep rallies throughout the year. Students will also perform a fall review concert at the end of the trimester. Students will explore the fundamentals of marching while performing at a high school level. Students must be prepared to rehearse for a two-week band camp in the summer before the start of school.

Concert Band**1 trimester, 1 credit****Prerequisite: Middle school band teacher or director approval AND one trimester of Marching Band**

Second trimester band is Concert Band, and will perform at two concerts in the second trimester, with outside rehearsals called as needed. This is a co-curricular course that involves participation during school and outside of school hours. Students will explore a wide variety of literature and composers from the wind band repertoire. The focus will be on the development of the ensemble, concentrating on areas such as intonation, balance/blend, articulations, phrasing, and musicianship. In addition, students from this class will participate in the basketball Pep Band.

Wind Ensemble**1 trimester, 1 credit****Prerequisite: Middle school band teacher or director approval AND one trimester of Marching Band**

Third trimester band is Wind Ensemble Band, and performs at the ISSMA Concert Band Contest and the Spring Contest. This is a co-curricular course that involves participation during school and outside of school hours. Outside rehearsals will be called as needed. Students will continue to explore a wide variety of music, as well as focusing on smaller, chamber music settings. Specific focus will be given to individual development as a musician. Students will develop technical facility on their primary instrument, will be given the opportunity to learn a secondary instruments, and participate in a percussion ensemble.

Guitar**1 trimester, 1 credit****Prerequisite: Some note reading ability recommended**

Students will learn the basics of playing the acoustic guitar through interactive video lessons and hands-on experience. A limited number of guitars are available for student use; if a student has his/her own, it is encouraged to bring it to class. In addition to learning how to play guitar, several aspects of music technology will be incorporated, including: digital music, audio recording, audio editing and mixing, loops and sequencing, digital photography, and digital video filming and editing. Emphasis will be placed on the beginning student, but those with prior experience will gain new insights.

Music Appreciation**1 trimester, 1 credit****Prerequisite: Some note reading ability recommended**

Music has become an integral part of our daily lives in the 21st Century. This class will approach music from a general standpoint and offer students hands-on, interactive experiences with music. No prior knowledge or experience is required. Students will be taught a basic understanding of the keyboard in the first few weeks of the class in order to facilitate several projects and units of study. Students will engage with technology on almost a daily basis. Upon completion, students will have a new understanding of music in the 21st Century and be able to successfully operate in the digital environment.

Music Theory**1 trimester, 1 credit****Prerequisite: High school band or choir/Entrance exam**

This class will examine the basic fundamentals of music from the perspective of Bach's four-part harmony. Topics will include scales, modes, intervals, harmonic structures, and chord progressions. Students will learn how to analyze harmonic structures through the use of Roman Numeral Analysis. Composition will be used as an assessment tool and will be guided based on the unit of study. A

basic understanding of the keyboard will help, but will be part of the curriculum. Students must be able to read musical notation. Without prior musical experience in high school band or choir, a basic entrance exam will be given to determine if a student can read musical notation.

Advanced Chorus**3 trimesters, 3 credits****Prerequisite: None**

This class is designed to target the serious student, and is co-curricular with participation during school and outside of school hours. Students will experience quality choral literature, as well as contemporary music. Emphasis will be placed on ensemble singing and personal vocal improvement. Barbershop, classical, renaissance, jazz, sacred, secular, and season music will be studied and performed. This choir will participate in the choral department's annual Madrigal Dinner, in ISSMA vocal/solo ensemble festivals, and competitions at the ISSMA organizational festival. The choir may also explore special performance and/or collaborations with area choruses. This course can be taken for one, two, or three trimesters, and students are encouraged to take it all three trimesters.

Concert Chorus**3 trimesters, 3 credits****Prerequisite: Audition and teacher recommendation**

Concert Choir is an advanced choral group that will perform at a variety of places and settings with a wide genre of music. Emphasis will be on advanced vocal training, musicianship and sight-singing. Specific musical styles and periods will be explored. An emphasis on Madrigal music and culture will be covered during the first trimester. Second trimester will include sacred and secular choral music which is performed at the ISSMA vocal/solo ensemble contests – district and state – as well as an emphasis on small group and individual performances. Contemporary music styles, vocal jazz, solo and ensemble singing will be learned and performed at the annual spring choral music. Evaluation will be based on performance of music, knowledge of materials taught and class, concert, and contest participation. This course can be taken for one, two, or three trimesters, and is highly encouraged to take for all three trimesters.

FAMILY AND CONSUMER SCIENCES (FACS)

Adult Roles & Responsibilities*1 trimester, 1 credit****Prerequisite: None**

Adult Roles and Responsibilities is recommended for all students as life foundations and academic enrichment, and as a career sequence course for students with interest in family and community services, personal and family finance, and similar areas. This course builds knowledge, skills, attitudes, and behaviors that students will need as they complete high school and prepare to take the next steps toward adulthood in today's society. The course includes the study of interpersonal standards, lifespan roles and responsibilities, individual and family resource management, and financial responsibility and resources. A project-based approach that utilizes higher order thinking, communication, leadership, management processes, and fundamentals to college and career success is recommended in order to integrate these topics into the study of adult roles and responsibilities. Direct, concrete mathematics and language arts proficiencies will be applied. Service learning and other authentic applications are strongly recommended. This course provides the foundation for continuing and post-secondary education in all career areas related to individual and family life.

Preparing for College & Careers*1 trimester, 1 credit****Prerequisite: None**

Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed include twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes;

exploration of personal aptitudes, interests, values, and goals; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; and managing personal resources. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios. A project based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real life experiences, is recommended.

Consumer Economics**1 trimester, 1 credit****Prerequisite: None**

This course is a project-based approach that enables students to achieve high standards and applicability to their individual, family, workplace, and community lives. It focuses on interrelationships among consumer, producer, citizen, and the needs versus wants for each. Economic principles to be studied include: scarcity, supply and demand, market structure, the role of government in consumer rights, money and labor productivity. This course offers an in depth look at how marketing affecting consumers and the buying decision process. This course fulfills a social studies requirement for the general diploma only.

Advanced Nutrition & Wellness**2 trimesters, 2 credits****Prerequisite: None**

Advanced Nutrition and Wellness is a course which provides an extensive study of nutrition. This course is recommended for all students wanting to improve their nutrition and learn how nutrition affects the body across the lifespan. Advanced Nutrition and Wellness is an especially appropriate course for students interested in careers in the medical field, athletic training and dietetics. This course builds on the foundation established in Nutrition and Wellness, which is a required prerequisite. This is a project-based course; utilizing higher-order thinking, communication, leadership and management processes. Topics include extensive study of major nutrients, nutritional standards across the lifespan, influences on nutrition/food choices, technological and scientific influences, and career exploration in this field. Laboratory experiences will be utilized to develop food handling and preparation skills; attention will be given to nutrition, food safety and sanitation. This course is the second in a sequence of courses that provide a foundation for continuing and post-secondary education in all career areas related to nutrition, food, and wellness.

Introduction to Culinary Arts**1 trimester, 1 credit****Prerequisite: Advanced Nutrition and Wellness**

Introduction to Culinary Arts and Hospitality is recommended for all students regardless of their career cluster or pathway, in order to build basic culinary arts knowledge and skills. It is especially appropriate for students with an interest in careers related to Hospitality, Tourism, and Culinary Arts. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes is recommended. Topics include basic culinary skills in the foodservice industry, safety and sanitation, nutrition, customer relations and career investigation. Students are able to explore this industry and examine their own career goals in light of their findings. Laboratory experiences that emphasize industry practices and develop basic skills are required components of this course.

Advanced Child Development**2 trimesters, 2 credits****Prerequisite: None**

Advanced Child Development is for those students interested in life foundations, academic enrichment, and/or careers related to knowledge of children, child development, and nurturing of children. This course addresses issues of child development from age 4 through age 8 (grade 3). It builds on the Child Development course, which is a prerequisite. Advanced Child Development includes the study of professional and ethical issues in child development; child growth and development; child development theories, research, and best practices; child health and wellness; teaching and guiding children; special conditions affecting children; and career exploration in child development and nurturing. A project-based approach that utilizes higher order thinking, communication, leadership, management, and fundamentals to college and career success is recommended in order to integrate these topics into the study of child development. Direct, concrete mathematics and language arts proficiencies will be applied. Service learning,

introductory laboratory/field experiences with children in preschool and early elementary school settings, and other authentic applications are strongly recommended. This course provides a foundation for continuing and post-secondary education in all career areas related to children, child development, and nurturing of children.

Human Development*1 trimester, 1 credit****Prerequisite: None**

Human Development and Wellness is valuable for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers impacted by individuals' physical, social, emotional, and moral development and wellness across the lifespan. Major topics include principles of human development and wellness; impacts of family on human development and wellness; factors that affect human development and wellness; practices that promote human development and wellness; managing resources and services related to human development and wellness; and career exploration in human development and wellness. Life events and contemporary issues addressed in this course include (but are not limited to) change; stress; abuse; personal safety; and relationships among lifestyle choices, health and wellness conditions, and diseases. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes is recommended in order to integrate the study of these topics. Authentic applications through service learning are encouraged.

Interpersonal Relations*1 trimester, 1 credit****Prerequisite: Available for sophomores, juniors, or seniors**

Interpersonal Relationships is an introductory course that is especially relevant for students interested in careers that involve interacting with people. It is also valuable for all students as a life foundation and academic enrichment. This course addresses the knowledge and skills needed for positive and productive relationships in career, community, and family settings. Major course topics include communication skills; leadership, teamwork, and collaboration; conflict prevention, resolution, and management; building and maintaining relationships; and individual needs and characteristics and their impacts on relationships. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes, and fundamentals to college and career success is recommended in order to integrate these topics into the study of interpersonal relationships. Direct, concrete language arts proficiencies will be applied. Service learning and other authentic applications are strongly recommended. This course provides a foundation for continuing and post-secondary education for all career areas that involve interacting with people both inside and outside of a business/organization, including team members, clients, patients, customers, and the general public.

Introduction to Fashion & Textiles**1 trimester, 1 credit****Prerequisite: None**

Introduction to Fashion and Textiles is an introductory course for those students interested in academic enrichment or a career in the fashion, textile, and apparel industry. This course addresses knowledge and skills related to design, production, acquisition, and distribution in the fashion, textile, and apparel arena. The course includes the study of personal, academic, and career success; careers in the fashion, textile, and apparel industry; factors influencing the merchandising and selection of fashion, textile, and apparel goods and their properties, design, and production; and consumer skills. A project-based approach integrates instruction and laboratory experiences including application of the elements and principles of design, aesthetics, criticism, history and production; selection, production, alteration, repair, and maintenance of apparel and textile products; product research, development, and testing; and application of technical tools and equipment utilized in the industry. Direct, concrete mathematics proficiencies will be applied. Service learning and other authentic applications are strongly recommended. This course provides the foundation for continuing and post-secondary education in fashion, textile, and apparel-related careers.

Fashion & Textiles Careers**2 trimesters, 2 credits****Prerequisites: Preparing for College and Careers; Introduction to Fashion and Textiles Foundations, Entrepreneurship and Marketing courses**

Fashion and Textiles Careers I prepares students for occupations and higher education programs of study related to the entire spectrum of careers in the fashion industry. This course builds a foundation that prepares students to enter the Fashion Careers II

course. Major topics include: review of the dimensions of clothing, investigation of design elements and principles, evaluating manufacturing process, reviewing the processes from fiber production to items of clothing being worn, overall review of the textile and apparel industry, investigation of fashion designers, customer relations and best practices, fashion merchandising, forecasting trends, impact of social media on the fashion industry, and career exploration and experience. A project based approach with commercial/industry applications is a key component of this course of study. Student experiences may be either school-based or "on-the-job" or a combination of the two. Work based experiences in the fashion industry are strongly encouraged. A standards-based plan guides the students' experiences. This course is a core component of four-year career plans for the career clusters of Personal & Commercial Services; Manufacturing & Processing; and Art, A/V Technology & Communications. It is recommended for students with interests in apparel, textiles, and fashion career pathways and provides the foundation for continuing study. Students are monitored in their experiences by the Fashion Careers I teacher. Articulation with post-secondary programs is encouraged.

Fashion & Textiles Careers II

2 trimesters, 2 credits

Prerequisites: Fashion and Textiles Careers I

Fashion and Textiles Careers II prepares students for occupations and higher education programs of study related to the entire spectrum of careers in the fashion industry. This course builds a foundation that prepares students to enter into higher education programs of study related to the entire spectrum of the career clusters that encompass careers in fashion, apparel, and other textiles management, production, and services. Major topics include: fashion design, 102 Indiana Department of Education High School Course Titles and Descriptions application of design elements and principles, the business of fashion designers, evaluating manufacturing processes, reviewing distribution processes in the fashion industry, garment costs and business math, reviewing the processes from fiber production to items of clothing being worn, overall review of the textile and apparel industry, fashion promotion, dynamics of fashion demand, writing fashion copy, investigation of fashion designers, customer relations and best practices, fashion merchandising, operational costs, forecasting trends, use of technology in the fashion industry, and career exploration and experience. A project-based approach with commercial/industry applications is a key component of this course of study. Student experiences may be either school-based or "on-the-job" or a combination of the two. Work based experiences in the fashion industry are strongly encouraged. A standards-based plan guides the students' experiences. This course is a core component of four-year career plans for the career clusters of Personal & Commercial Services; Manufacturing & Processing; and Art, A/V Technology & Communications. It is recommended for students with interests in apparel, textiles, and fashion career pathways and provides the foundation for continuing study. Students are monitored in their experiences by the Fashion Careers II teacher. Articulation with postsecondary programs is encouraged.

Introduction to Housing & Interior Design

1 trimester, 1 credit

Prerequisite: None

Introduction to Housing and Interior Design is an introductory course essential for those students interested in academic enrichment or a career within the housing, interior design, or furnishings industry. This course addresses the selection and planning of designed spaces to meet the needs, wants, values and lifestyles of individuals, families, clients, and communities. Housing decisions, resources and options will be explored including factors affecting housing choices and the types of housing available. Developmental influences on housing and interior environments will also be considered. Basic historical architectural styling and basic furniture styles will be explored as well as basic identification of the elements and principles of design. Design and space planning involves evaluating floor plans and reading construction documents while learning to create safe, functional, and aesthetic spaces. Presentation techniques will be practiced to thoroughly communicate design ideas. Visual arts concepts including aesthetics, criticism, history and production, are addressed. Direct, concrete mathematics proficiencies will be applied. A project based approach will be utilized requiring higher order thinking, communication, leadership and management processes as housing and interior design content is integrated into the design of interior spaces while meeting specific project criteria. This course provides the foundation for further study and careers in the architecture, construction, housing, interior design, and furnishings industries.

***NOTE:** Students may take any three courses from FACS sequence of the following to replace their *Health & Wellness* credit requirement:

- Adult Roles & Responsibilities
- Child Development
- Human Development
- Interpersonal Relationships
- Nutrition & Wellness I
- Preparing for College & Careers

PHYSICAL EDUCATION

Physical Education

2 trimesters, 2 credits

Prerequisite: None

Beginning instruction and rules will be covered in individual and team sports with the emphasis on health-related fitness to develop the skills and habits necessary for a lifetime of activity. Activities include: golf, tennis, gymnastics, exercise, wrestling, track, bowling, soccer, floor hockey, flag football, softball, badminton, and volleyball. Evaluation will be based on participation, skills tests, and written examinations. There will be a four-week unit in the beginning swimming. All students will be evaluated at the start and end of the trimester on the TRIFIT 600 computer.

Elective Physical Education (Boys)

1 trimester, 1 credit

Prerequisite: Physical Education

This course is strategically tailored to fit the physical fitness of boys' strength and conditioning training. Students will be instructed and measured in weight training and aerobic exercise. Students will be required to participate in a number of different types of fitness activities that will develop the total body.

Elective Physical Education (Girls)

1 trimester, 1 credit

Prerequisite: Physical Education

This course is specifically designed for the physical fitness for girls' fitness training. It teaches the necessary skills to become physically fit for life. Students will participate in a variety of fitness activities which promote sculpting and toning of the musculature, as well as increasing the body's metabolism which will help burn more calories even at rest. Instruction in weight training, aerobics, step aerobics, circuit training, and walking for fitness. Students will be required to participate in a number of different types of fitness activities that will develop total body. These activities include, but are not limited to, walking, running, biking, weight training, and a variety of workout videos such as *Abs of Steel*, *Jillian Michaels*, *Insanity*, *Zumba*, and *Yoga*.

***Health & Wellness**

1 trimester, 1 credit

Prerequisite: None

This course will begin by stressing the organs and organ systems that control our bodies. This information is presented in physiological arrangement emphasizing how and what these organs do. The course includes units in: growth and development, mental and emotional health, community and environmental health, nutrition, family life education, consumer health, personal health, alcohol, tobacco, and other drug education, intentional and unintentional injury and health promotion and disease prevention. There is also an entire unit devoted to HIV/Aids education. The final unit will be a hands-on unit of functional first aid on the level of all health care professionals. Grades are based on quizzes, tests, group projects, and written assignments.

Lifeguard Training

1 trimester, 1 credit

Prerequisite: Swim test

Students will learn the skills necessary to be a certified lifeguard. Any student interested in this course must turn 15 years-old by the end of the trimester in which he or she is enrolled. A certificate will be earned upon successful completion of the course. There is a \$100.00 fee for this course for the manual, hip pack with resuscitation mask, and *Red Cross Certification* card.

Advanced Health Education (Introduction to Sports Medicine)

2 trimesters, 2 credits

Prerequisite: None

Students will be introduced to topics and careers in the field of sports medicine. Major topics discussed include injury prevention, injury treatment, and injury rehabilitation. Students who have an interest in a medical or allied health-related career are encouraged to enroll in this course.

***NOTE:** Students may take any three courses from FACS sequence of the following to replace their *Health & Wellness* credit requirement:

- Adult Roles & Responsibilities
- Child Development
- Human Development
- Interpersonal Relationships
- Nutrition & Wellness
- Preparing for College & Careers

ENGINEERING TECHNOLOGY EDUCATION

Introduction to Engineering Design

2 trimesters, 2 credits

Prerequisite: None

This course provides students with opportunities to be creative and to apply their decision-making and problem-solving skills to design problems. Students will use powerful computer hardware and software to develop three-dimensional models or solid renderings of objects. Using a computer aided design system, students will learn the product design process through creating, analyzing, rendering and producing a model.

Digital Electronics

2 trimesters, 2 credits

Prerequisite: None

Digital Electronics is a course in applied digital logic. The use of digital circuits is increasing so rapidly that it is hard to imagine the limits. Students will be introduced to the digital circuits found in video games, watches, calculators, digital cameras, and thousands of other devices. Students will study the application of digital logic. Students will also learn how digital devices are used to control automated equipment, and use the industry standard, electronic design software to build circuits, and to export designs to a printed circuit auto-routing program that generates printed circuit boards, using chips, and other components. This course is similar to a first-year college course, and it is recommended for students who wish to pursue a career in engineering or engineering technology.

Principles of Engineering

2 trimesters, 2 credits

Prerequisite: Introduction to Engineering Design AND Digital Electronics

This course is designed to help you understand the field and career possibilities of engineering and engineering technology. Students will work on the problem-solving skills that are used on the college level and in the workplace. You will learn how engineers address concerns about the social and political consequences of technological change.

Engineering Design & Development**2 trimesters, 2 credits****Prerequisite: Must be a senior**

This course is used to design and construct the solutions to an engineering problem while working in teams. The problems will involve a wide range of engineering applications (i.e., a school robo-mascot, automated solar water heater, remote control hovercraft, etc.). Students will apply the principles they developed in previous engineering courses. A journal will become part of students' portfolio. Each team will be responsible for delivering progress reports and making final presentations to an outside review panel. The completed portfolio will be invaluable to students when they begin applying to colleges.

Environmental Sustainability**2 trimesters, 2 credits****Prerequisites: Introduction to Engineering Design, Principles of Engineering, and Biology**

Environmental Sustainability is a specialization course that builds upon prior knowledge learned in previous engineering and science courses. Students investigate and design solutions in response to current challenges such as providing the world with clean and abundant drinking water, an adequate food supply, and renewable energy. Students are introduced to environmental issues and use the engineering design process to design, build, and test potential solutions. This course engages critical thinking and problem-solving skills as students apply and extend their knowledge through designing experiments, managing projects, conducting research, and creating presentations to communicate solutions.

Digital Applications and Responsibility**1 trimester, 1 credit****Prerequisites: None**

Digital Applications and Responsibility prepares students to use technology in an effective and appropriate manner in school, in a job, or everyday life. Students develop skills related to word processing, spreadsheets, presentations, and communications software. Students learn what it means to be a good digital citizen and how to use technology, including social media, responsibly. Students expand their knowledge of how to use digital devices and software to build decision-making and problem-solving skills. Students should be provided with the opportunity to seek industry-recognized digital literacy certifications.

Computers in Design & Production**2 trimesters, 2 credits****Prerequisites: None**

Computers in Design and Production is a course that specializes in using modern technological processes, computers, design, and production systems in the production of products and structures through the use of automated production systems. Emphasis is placed on using modern technologies and on developing career related skills for electronics, manufacturing, precision machining, welding, and architecture career pathways. Students apply ingenuity using 84 Indiana Department of Education High School Course Titles and Descriptions tools, materials, processes, and resources to create solutions as it applies in the electronics, manufacturing, precision machining, welding, and architecture. The content and activities should be developed locally in accordance with available advanced technologies in the school. Course content should address major technological content related to topics such as: Architectural drawing and print design, design documentation using CAD systems; assignments involving the interface of CAD, CNC, CAM, and CIM technologies; computer simulation of products and systems; publishing of various media; animation and related multimedia applications; 3-D modeling of products or structures; digital creation and editing of graphics and audio files; control technologies; and automation in the modern workplace.

MULTIDISCIPLINARY

Study Hall

1 trimester, 0 credits

Prerequisite: None

Students may choose to take a study hall if they have completed all necessary coursework and are on track with their credits. Study hall can be taken all three trimesters if coursework is caught up. This study hall should be used to work on homework, to study for tests/quizzes, or receive additional help in necessary subjects with pre-arrangements with respective teacher. Students receive no credit for taking a study hall.

Student Assistant

1 trimester, 0 credits

Prerequisite: None

Students have the option, once in study hall, to become a student assistant for teachers or staff. Students are to gain the permission of the respective teacher or staff member to become a student assistant.

College Entrance Preparation

1 trimester, 1 credit

Prerequisite: None

College-Entrance Preparation utilizes individual student score reports from the PSAT, PLAN, and/or ACCUPLACER to prepare students for the SAT, ACT, ACCUPLACER and/or Compass college readiness assessments. Based on student score reports, students will receive targeted instruction to strengthen their foundations in critical reading, writing, mathematics, and science sections of college admission and placement exams. As appropriate, the course will also encompass test taking strategies to prepare students for success on a high-stakes assessment. Teachers are encouraged to use a curriculum with longitudinal, successful results. Course may also include college selection and application units, to better prepare students for overall college-readiness. Being “college ready” means being prepared for any postsecondary education or training experience, including readiness for study at two-year and four-year institutions leading to a post-secondary credential (i.e., a certificate, license, Associate’s or Bachelor’s degree). Being ready for college means that a high school graduate has the English and mathematics knowledge and skills necessary to qualify for and succeed in entry-level, credit-bearing college courses without the need for remedial coursework.

AREA CAREER CENTER: VOCATIONAL EDUCATIONAL PROGRAMS

Wheeler High School is part of the Porter County Career & Technical Education program. The following classes are available to students during their junior and/or senior year; additionally, some courses are available for dual credit. Please see the Guidance Department for more information regarding these classes or visit www.pccte.org.

- Auto Technology
- Cisco Networking Academy
- Computer Aided Design & Animation
- Construction Technology
- Cosmetology
- Culinary Arts

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- Dental Careers
 - Diesel Service Technology
 - Early Childhood Education
 - Electronics & Computer Technology
 - Emergency Medical Services
 - Entrepreneurship/Sports & Entertainment Marketing
 - Graphic Imaging Technology
 - Health Careers with Anatomy Physiology
 - Health Occupations
 - Health Science Education I with Anatomy Physiology
 - Horticultural Science
 - Industrial Mechanics
 - Law Enforcement Careers Academy
 - Precision Machining
 - School-to-Work
 - (Fundamentals of) Sports Medicine
 - Video Production & Media Studies
 - Welding Technology