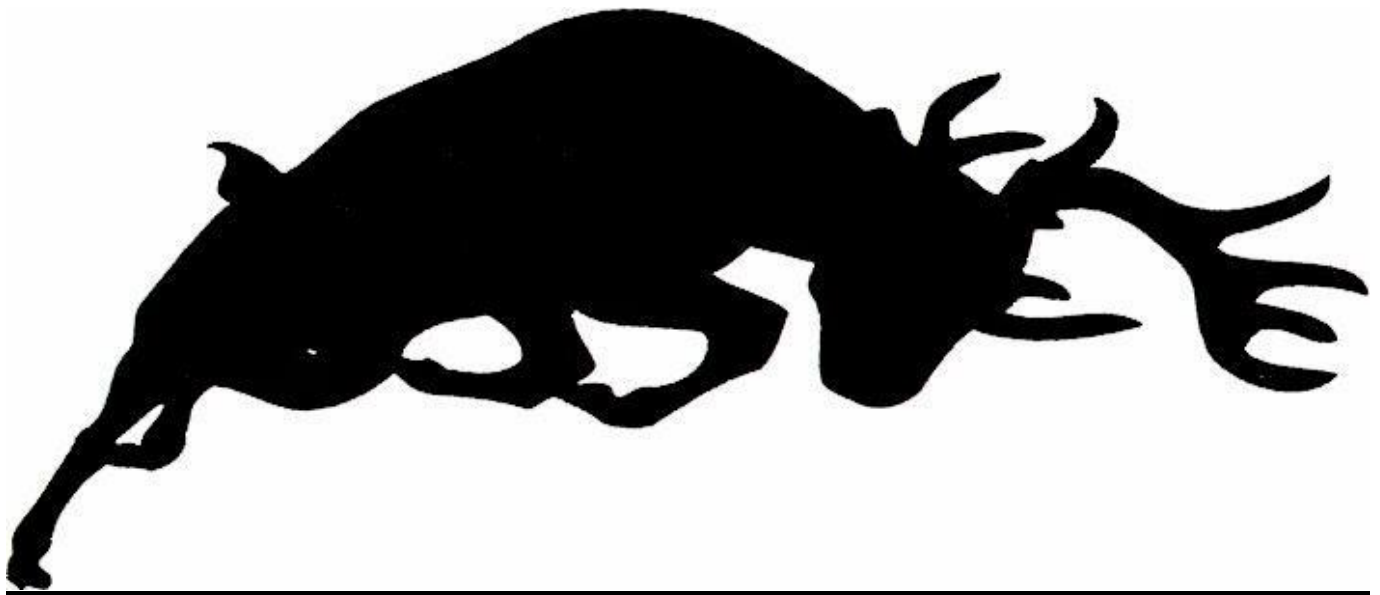


Pine River Middle/High School

Home of the Bucks!



Course Selection Guide

2021-2022

REGISTRATION AND PRE-REGISTRATION

Pre-registration and registration will take place prior to the start of each semester. A Course Selection Guide will be available on the school website containing the names and course descriptions of all courses. Students will have a period of time to select their classes and to discuss programs with parents and their Counselor. Students will enter their selections onto the computer during pre-registration time. These programs will be considered final and cannot be changed without the permission of the Principal and/or Counselor.

IMPORTANT: Every attempt will be made to place students in courses as requested. This is not always possible due to the complexity of the schedule. When not possible, every effort will be made to place students in their alternate selections. In all cases, we will consider the individual's academic needs.

ENROLLMENT OPTIONS

Currently, Pine River Area Schools offers students and parents the choice between traditional, face-to-face instruction and an online, 100% virtual schedule taken remotely.

Enrollment Option 1: K-12 Face-to-Face Instruction with teachers on a full schedule, on-site. May or may not include one or two online courses via Michigan Virtual University, Genesee ISD, Edgenuity or another approved online delivery system.

Enrollment Option 2: Buck Virtual, via Edgenuity, for students in grades 6-12. Buck Virtual is a 100% full schedule, all courses taken online in a virtual setting (usually from home).

“Due to COVID-19 and the uncertainty for the 2020-2021 school year, classes identified in our District Course Catalog have been prepared to qualify for in-person and as Virtual Learning Option classes and for blended learning. Classes that will not be available for Virtual Learning Option will contain an asterisk (*).”

FINAL SCHEDULE ASSIGNMENTS

Arrangements will be made for picking up final schedule copies and locker assignments approximately one week prior to the opening of school each fall during the annual Open House (unless canceled due to Covid-19 or other health reasons). Likewise, announcements will be made regarding any changes heading into the second semester.

CLASS REGISTRATION/DROPS

Students enrolling in year-long classes (typically noted by an A & B designator) are expected to take both semesters of that class unless a request to drop the class is received from parents and approval is made by the Counselor and building Principal. After the finalization of the schedule, changes must be made within five (5) school days and students should follow the posted process to add or drop courses. Requests to drop that interfere or alter a student's ability to maintain on-time graduation status will rarely be approved.

GENERAL CREDIT REQUIREMENTS

Please keep these in mind as you register from year to year. You will be responsible for your credit status. Any questions should be directed toward the High School Counselor.

Each student attending Pine River High School must have satisfactorily earned the minimum number of credits required to be considered for graduation (based on year of graduation). Satisfactory completion of any class means passing it with a D- or better. Students must complete courses as determined by the Michigan Merit Curriculum (MMC) and may choose from three general curricular areas for electives:

1. Academic – Completion of MMC with electives stressing college preparatory course of an advanced nature.
2. Commercial – Completion of MMC with electives stressing a particular area such as Computers, may include the Career Technical Center for one or two years.
3. Vocational – Completion of MMC with electives stressing general occupational and job market entrance skills; may include Career Technical Center for one or two years.

STUDENT CLASSIFICATION

Years in attendance do not denote a student's grade level. Grade level depends on credits earned. Unless a student has attained the next higher class standing, he or she will be assigned activities at the same classification for the entire school year.

Less than 7 credits	9 th grade	13 to 20 credits	11 th grade
7 to 12 ½ credits	10 th grade	21 or more credits	12 th grade

***Twenty-Six credits and completion of the Michigan Merit Curriculum, or completion of 92% of attempted high school credits and completion of the MMC for transfer students, are required for graduation.

MINIMUM COURSE REQUIREMENTS FOR GRADUATION

English

8 Semesters (4 credits)

- 2 Semesters – English 9
- 2 Semesters – English 10
- 2 Semesters – English 11
- 2 semesters – English 12 or Baker Comp. I and II

Math

8 Semesters (4 Credits)

- 2 Semesters – Algebra
- 2 Semesters – Geometry
- 2 Semesters – Algebra II
- 2 Semesters – Math Elective or a Career Tech Program senior year**

Health

1 Semester (1/2 Credit)

Physical Education

Social Studies

7 Semesters (3.5 Credits)

- 2 Semesters – U.S. History
- 2 Semesters – World History & Geography
- 1 Semester - Economics
- 2 Semesters - Civics or 1 Semester Civics Transfer & 1 Semester online Achieving Your Career & College Goals

Science

6 Semesters (3 credits)

Option 1 (More challenging)

- 2 Semesters of Biology
- 2 Semesters Chemistry
- 2 Semesters of Physics (recommended) or 2 Semesters of Earth Science, Anatomy & Physiology, Chemistry, Physics, Zoology, Outdoor Environmental Science_(1-2 semester), or a CTC Program**

Option 2

- 2 Semesters of Biology

1 Semester (1/2 credit)

Physical Education,
Strength & Conditioning,
Zoology, Group Fitness or Yoga
sem.),

2 Semesters of Physical Science
2 Semesters of Earth Science, Anatomy &
Physiology, Chemistry, Physics,
Outdoor Environmental Science (1-2

or a CTC Program**

World Languages

4 semesters (2 credits)

Option 1

4 Semesters Spanish or other World Language

Option 2

2 Semesters Spanish or other World Language

And

2 Semesters additional Visual Performing Arts

Or Completion of 2 years of the same Career
Technical Education Program**

Visual Performing Arts

2 semesters (1 credit)

Art, Band, Woods, Choir, Communications
Technology, Graphic Arts I and II, Desktop
Publishing I & II, CTC- BMA,
Digital Media, Metal Fabrications
or HRE (any combination)

Elective Courses

15 Semesters (7.5 Credits)

***26 Total Credits Needed for Graduation**

** Approved Dual Enrollment courses in the same discipline may be substituted for a course listed above.

**Students who are planning on attending college are advised not to substitute math or science credit for a CTC course.

H.S.COURSE COURSE PROGRESSION

9th Grade

Required: English 9, U.S. History, Biology, Algebra, Spanish I

Suggested: Visual Performing Arts (Art, Shop, Band, Choir, Desktop Publishing I&II)- 2 semesters
Physical Education (Strength, PE, Group Fitness, or Yoga) - 1 semester

Considerations: Algebra Lab

Also: Electives to total 7 hours of courses

10th grade

Required: English 10, World History, Geometry, Economics - 1 semester, Health - 1 semester,
Physical Science or Chemistry

Suggested: MUST get in PE and VPA requirement if not completed in 9th grade year.

Considerations: Spanish II, Academic Center

Also: Electives to total 7 hours of courses

11th grade

Required: English 11, Algebra II, 3rd Science Credit (Earth Science, Zoology, Anatomy & Physiology, Chemistry, Physics, Outdoor Environmental Science, or a CTC Program)

Suggested: Take all required courses in grades 9-11 not yet acquired.

Also: Electives to total 7 hours of courses

12th Grade

Required: English 12, Senior Math (Personal Finance, Baker Trigonometry & Statistical Methods, Online Accounting, 4th Year Woods, Physics, or CTC Program), Civics & Senior Seminar- 2 semesters OR Achieving Your Career & College Goals- 1 Semester if Civics was taken previously

Considerations: Any credit recovery, missing MMC credit

Also: Electives to total 7 hours of courses

REPEAT COURSES / CREDIT RECOVERY COURSES/ TRANSFER GRADES AND CREDIT

When a course is taken to improve a grade or gain credit where credit was not achieved, the last attempt shall stand as the final grade in that course and completely replace the initial or all other attempts. For the purpose of GPA computation--for awards purposes only--all previous attempts and GPA attainment will count; in all other instances, the previous attempt(s) will be forgiven. For transfer-in students, this includes all courses/coursework/grades from other schools. The building Principal will make final decisions regarding courses, credit attainment, and transcript resolution. In making a decision regarding transcripts, the Principal may examine course content and consider standards covered at previous schools. All courses in this guidebook cannot be repeated for credit except for the following: ***Any career tech course, P.E., Strength and Conditioning, Yoga, Group Fitness, Choir, Band, Jazz Band, Leadership, Study Skills, Daily Living Skills, and Comm. Tech***

CAREER TECH PROGRAM

We are pleased to inform you that as a junior or senior you are eligible for the many educational opportunities provided at the Wexford-Missaukee Career Technical Center (CTC). You will be enrolled for a half-day and transportation will be provided. CTC courses are hands-on with academic training in applied math, reading for information, and locating information. Select Michigan Merit Curriculum credits can be earned while attending CTC.

Students who attend the CTC have an opportunity to explore and train for career options in one of fifteen state-approved Career and Technical Education programs. These programs help you prepare for career success after high school whether it is college, employment, or the military. Current CTC program offerings can be found below in the course guide section. Additional information can be found by visiting www.wmisd.org.

Students who are interested in these courses should be looking into them as early as 8th and 9th grades so that they will be prepared when the time comes for enrollment. CTC hosts tours and informational

videos for all 8th and 10th-grade students. The School Counselor or an Administrator will discuss programs with students.

SCHOLARSHIPS

Several different scholarship opportunities are available through CTC. For more information, see your CTC Counselor in your senior year.

CO-OPERATIVE EDUCATION

The Co-Operative Education Program may be available to students enrolled in CTC who have completed the minimum objectives of the program in which they are enrolled, are on track to graduate on time, and are otherwise eligible. Co-Op is a job directly related to the student's Career and Technical Education program. The Co-Op program may also provide the student with the opportunity to obtain high school credit and earn money at the same time. Building Principal approval may be required.

DUAL ENROLLMENT COURSES/DIRECT CREDIT

The Wexford-Missaukee Career Technical Center will offer students the opportunity to receive college credits while attending the CTC at little or NO cost through post-secondary partners such as, but not limited to, Baker College, Ferris State University, and West Shore Community College. The future savings to you and your family are priceless when earning these college credits NOW.

GENERAL CAREER TECH ENROLLMENT PROCEDURES

Pine River is allocated approximately six openings in each of the CTC programs. Students are selected to fill these openings during spring scheduling in March/April of their sophomore year. Since enrollment is limited, students should look into Career Tech enrollment at the earliest possible date. Students must meet credit qualifications to attend. Please see the student handbook for more details regarding the selection process. If you have any questions, please feel free to ask the High School Counselor, Dean of Students, or High School Principal.

DUAL ENROLLMENT/DIRECT COLLEGE PROGRAM

The State School Aid Act contains a provision that directs school districts to assist students in paying tuition and fees for courses at Michigan public or private colleges or universities.

The following conditions are required at Pine River for Dual Enrollment:

1. Students must have earned sufficient credits to be in grades 9 through 12.
2. Students must meet qualifying scores on the MME, ACT, Plan, SAT, Explore, PSAT or Compass test, have demonstrated success in a related course or, in certain instances, have a recommendation from an instructor in the discipline for which the student wishes to enroll.
3. Students must be enrolled in both the school district and post-secondary institution during the local school district's regular academic year.
4. The college courses must be academic courses (as opposed to "activity" courses). It may not be a hobby, craft, recreational topic, physical education, theology, divinity, or religious education course.
5. A student is limited to 10 dual enrollment courses in grades 9 through 12 unless there is a written agreement between Pine River Area Schools and the postsecondary institution. A student that first enrolls in 9th grade cannot take more than two courses per year in 9th-11th grade, and not more than four courses in grade 12. A student that first enrolls in 10th grade cannot take more than two courses in 10th grade, and not more than four courses in grade 12. A student that first enrolls in 11th or 12th grade cannot take more than six courses per year.
6. If a student participates in dual enrollment/direct credit and withdraws from the class after

the deadline for repayment, the student and /or parents are 100% responsible for the payment of the course (and non-reimbursable fees).

7. If a student fails a dual enrollment/direct credit course for any college or university, the student and/or parents are 100% responsible for payment of that class (and non-reimbursable fees).
8. Under no circumstances can a student drop a dual enrollment/direct credit course without written permission from the High School Counselor and High School Principal. Students who drop a course may not be considered full-time students and may forfeit the privilege of participating in the commencement ceremony at the conclusion of the senior year.
9. No such class will be taken on a credit/no credit basis.
10. Students must state at the time of enrollment if the college course will be taken for college credit, high school credit, or both. A dual enrollment contract will be signed by the student, parent, and school representative with this information and other requirements stated above .
11. School districts are required to pay the lesser of: the actual charge for tuition and fees; or the student's state aid foundation allowance, adjusted to the proportion of the school year they attend in the district. Students are no longer eligible when all high school graduation requirements have been met.
12. Courses may occur outside of the regular school year if the course is included in the pupil's schedule.

COLLEGE ENTRANCE REQUIREMENTS

There is no specific course of study designated to guarantee college admittance in a particular field. Each college or program establishes its own course of study; therefore, it is recommended that each student work out a program of study utilizing the Xello program along with guidance from the counseling department during the 9th-grade year.

COLLEGE/UNIVERSITY APPLICATION AND INFORMATION

The Counselor/Counseling Department will provide information about colleges and universities, assist students in filling out the entrance and scholarship applications and assist students in completing applications to take the PSAT and the SAT tests which are usually needed for college applications. Applications for college/universities should be made by December 1st of the student's senior year. The SAT test will be taken in the spring of the student's junior year; for the Class of 2021 only, this test will be taken in the fall of 2020.

COURSE DESCRIPTIONS

This guide contains brief descriptions of courses offered at Pine River High School. All courses are aligned to the Common Core State Standards, High School Content Expectations, the Michigan Curriculum Framework, or course content expectations as appropriate.

****COMPUTER TECHNOLOGY****

Desktop Publishing I (1 semester, ½ credit, grades 9-12)

In this course students will gain useful desktop publishing skills while creating and producing products in one or more of the following areas: athletic programs, school posters, postcards, business cards, event passes, event tickets, bookmarks, athletic awards, t-shirt/apparel design, and other requested school printing projects. Students will be introduced and implement the principles and elements of design using tools and effects in Adobe Photoshop, Adobe Illustrator, and Microsoft Office Publisher. Students also get hands-on experience creating t-shirts from start to finish by designing, vector tracing, printing transparencies, burning designs into screens, screen printing, drying, marketing, and selling t-shirts.

Students will complete projects weekly and create a portfolio showcasing what they have learned with pictures, text, and any evidence of their learning. **[This course also meets the VPA requirement for graduation.]** (Course Number 531)

Desktop Publishing II (1 semester, ½ credit, grades 9-12)

In this course students will continue gaining useful, real-world desktop publishing skills while creating and producing products in one or more of the following areas: athletic programs, school posters, postcards, business cards, event passes, event tickets, bookmarks, athletic awards, t-shirt/apparel design, and other requested school printing projects. Students will be implementing the principles and elements of design using tools and effects in Adobe Photoshop, Adobe Illustrator, and Microsoft Office Publisher. Students also get hands-on experience creating t-shirts from start to finish by designing, vector tracing, printing transparencies, burning designs into screens, screen printing, drying, marketing, and selling t-shirts. Students will complete projects weekly and create a portfolio showcasing what they have learned with pictures, text, and any evidence of their learning. **[This course also meets the VPA requirement for graduation.]** (Course Number 532)

Prerequisite: *Desktop Publishing I or Graphic Arts I*

Communication Technology A & B (full year, 1 credit, grades 10-12)

Yearbook, news, video, photography, and other real-world assignments. This class centers on the production of materials to communicate information to the community. Communications will include the production of flyers, open-house invitations, developing the school yearbook and helping with the school webpage. Students will gain skills in one or more of the following areas: page design, editing, marketing, photography, and webpage design. Electronic communication includes videotaping and editing to produce productions such as the Pine River News, a senior video, school plays, and sporting event tapes. Students will use electronic equipment like cameras, editors, and computers to digitally edit film and pictures and produce written materials. Students will need to commit to spending some time after school selling advertisements, taking pictures, videotaping events, and producing publications. Students create a portfolio showcasing what they have learned with pictures, text, and any evidence of their learning. Full-year course,.

[This course also meets the VPA requirement for graduation.] (Course Numbers 529 & 530)

Prerequisite: *Desktop Publishing I & II or Graphic Arts I & II. Application is required if prerequisites are not met.*

****ENGLISH****

English 9 A & B (full year, 1 credit, grade 9) *Required for graduation*

This course prepares students for future English courses and meets the state's College and Career Readiness Standards for 9th-grade students. Over the course of the year, students will develop their reading, writing, and speaking skills through a variety of texts, papers, presentations, and projects. Texts read in class will meet text complexity standards, and students will read both literature and informational texts. Students will also develop their skills writing memoirs, analysis, narratives, informative research essays, and argumentative essays while using proper MLA/APA format. Grammar and mechanics will be integrated in each assignment. (Course Numbers 132 & 133)

Edgenuity Virtual English 9 A & B (1 full year, 1 credit, grade 9) *Required for graduation*

This online course will be offered to some students who fit certain descriptors. Curricular content will match the above-listed course. (Course Numbers 63 & 62)

English 10 A & B (full year, 1 credit, grade 10) Required for graduation

This course meets the state's College and Career Readiness Standards for 10th-grade students. Students will continue to develop their writing using the entire writing process. Writing will include narrative, argumentative, and explanatory pieces throughout the school year. Texts read in class will meet the text complexity standards for the grade level, and students will spend an equal amount of time reading literature and informational text. Curriculum for this course is an extension of 9th grade English, and students will gain a deeper understanding of reading and writing skills. (Course Numbers 134 & 135)

Prerequisite: Successful completion of English 9 A & B or equivalent

Edgenuity Virtual English 10 A & B (full year, 1 credit, grade 10) Required for graduation

This online course will be offered to some students who fit certain descriptors. Curricular content will match the above-listed course. (Course Numbers 64 & 65)

Prerequisite: Successful completion of English 9 A & B or equivalent

English Fundamentals 10 A & B (full year, 1 credit, grade 10) Required for graduation

Teacher Recommendation: Students must have been identified as having a need based on district assessments & their Educational Development Plan (EDP). This course meets the state's College and Career Readiness Standards for 10th-grade students. Students will continue to develop their writing using the entire writing process. Writing will include narrative, argumentative, and explanatory pieces throughout the school year. Students will spend an equal amount of time reading literature and informational text. Curriculum for this course is an extension of 9th grade English, and students will gain a deeper understanding of reading and writing skills. (Course Numbers 144 & 146)

English 11 A & B (full year, 1 credit, grade 11) Required for graduation

This course meets the state's College and Career Readiness Standards for 11th-grade students. The standards follow a natural progression of skills to engage students in deeper reading comprehension and more effective writing. Students will take what they have been learning in previous years and apply it to this year's curriculum. Texts read in class will meet text complexity standards, and students will read both literature and informational texts. Students will continue to strengthen their critical reading and writing skills by composing narrative, argumentative, and explanatory pieces that demonstrate their growing command of the English language. (Course Numbers 136 & 137)

Prerequisite: Successful completion of English 10 A & B or equivalent

Edgenuity Virtual English 11 A & B (full year, 1 credit, grade 11) Required for graduation

This online course will be offered to some students who fit certain descriptors. Curricular content will match the above-listed course. (Course Numbers 82 & 83)

Prerequisite: Successful completion of English 10 A & B or equivalent

English Fundamentals 11 A & B (full year, 1 credit, grade 11) Required for graduation

Teacher Recommendation: Students must have been identified as having a need based on district assessments & their Educational Development Plan (EDP). The standards follow a natural progression of skills to engage students in deeper reading comprehension and more effective writing. Students will take what they have been learning in previous years and apply it to this year's curriculum. Students will read both literature and informational texts and will continue to strengthen critical reading and writing skills by composing narrative, argumentative, and explanatory pieces that demonstrate their growing command of the English language. (Course Numbers 147 & 148)

Fundamentals of English 11/12 (full year, 1 credit, grade 11 or 12) *Required for graduation*

Teacher Recommendation: Students must have been identified as having a need based on district assessments & their Educational Development Plan (EDP). The standards follow a natural progression of skills to engage students in deeper reading comprehension and more effective writing. Students will take what they have been learning in previous years and apply it to this year's curriculum. Students will read both literature and informational texts and will continue to strengthen critical reading and writing skills by composing narrative, argumentative, and explanatory pieces that demonstrate their growing command of the English language. This English class will satisfy the senior year English credit and will focus on reading, writing, speaking, and listening skills with the needs of the graduating senior in mind. The disposition of the senior year is on leadership qualities. Discussions, novels, informational texts, and writing assignments will center around this unifying theme. Students will focus on writing a research paper, ethnography, essays, and critical analyses.

(Course Numbers 1360 & 1370)

Prerequisite: Successful completion of English 10 A & B, English 10 A & B or equivalent

English 12 A & B (full year, 1 credit, grade 12) *May be used as 4th-year English graduation requirement*

This English class will satisfy the senior year English credit and will focus on reading, writing, speaking, and listening skills with the needs of the graduating senior in mind. The disposition of the senior year is on leadership qualities. Discussions, novels, informational texts, and writing assignments will center around this unifying theme. Students will focus on writing a research paper, ethnography, essays, and critical analyses. Whether students are attending college or a trade school, joining the service, or going directly into the workforce, this class will guarantee that they have the skills to be successful in all they pursue. *(Course Numbers 138 & 139)*

Prerequisite: Successful completion of English 11 A & B or equivalent

Edgenuity Virtual English 12 A & B (1 full year, 1 credit, grade 12) *Required for graduation*

This online course will be offered to some students who fit certain descriptors. Curricular content will match the above-listed course. *(Course Numbers 87 & 88)*

Prerequisite: Successful completion of English 11 A & B or equivalent

Baker College Composition I ENG 1010 (1 semester, ½ credit, grade 12) *May be used as part of 4th-year English graduation requirement*

This course emphasizes academic writing by reading and thinking critically to strengthen essential communication skills through the use of the writing process. Various assignments focus on summary and response, analysis, and informative writing. Research practices and research writing in APA style are essential to the course. This is the prerequisite for ENG 1020. ***This course will be an on-site dual enrollment (direct credit) class offered through Baker College, and students must meet all dual enrollment requirements to enroll in this class. Requirements can be found in the dual enrollment section of this document.*** *(Course Number 925)*

Prerequisite: Successful completion of English 11 A & B

Baker College Composition II ENG 1020 (1 semester, ½ credit, grade 12) *May be used as part of 4th-year English graduation requirement*

This class continues developing students' critical thinking and writing skills through reading and argumentative writing. Emphasizes academic writing to articulate the relationships among language, knowledge, and power. Various assignments focus on position, argument analysis, and argumentative proposal. Research practices and research writing in APA style are essential to the course. ***This course will be an on-site dual enrollment (direct credit) class offered through Baker College, and***

students must meet all dual enrollment requirements to enroll in this class. Requirements can be found in the dual enrollment section of this document. (Course Number 926)

Prerequisite: Successful completion of Baker College Composition I

ENGLISH ELECTIVES

Creative Writing (1 Semester, ½ credit, grades 10-12)

This course is designed to allow students to read, critique, and compose creative pieces such as short stories and poetry. Students will be exposed to several pieces of writing across a variety of genres. They will work independently to compose their own written pieces with collaborative peer editing on part of all finished works. Students will produce publishable finished products and will be encouraged to enter these in contests. For a final grade from the course, each student will maintain a portfolio of all of their work that will be assigned by the instructor. (Course Number 116)

Short Novels (1 semester, ½ credit, grades 9-12)

Short Novels explores the short works of various influential authors. Students will strengthen their comprehension of literary techniques, as well as gain exposure to literature that is not a part of the general English curriculum. The class begins with a crash course using Thomas C. Foster's "How to Read Literature Like a Professor" and then progresses by time period. Students will spend half of the semester looking at Pre-1900 selections, and then proceed into 1900-Modern Day. There is a heavy emphasis on communication with student-driven discussions and an online blog component. The class will wrap up with an Independent Reading Project. (Course Number 10315)

Baker College Speech SPK 2010 (1 semester, ½ credit, grades 11-12)

This class is designed to help students develop confidence and skills in many facets of oral communication. Students will explore diverse topics and formats, using both organization and research to support themselves during oral presentations. Self-improvement, poise, and group sensitivity are part of the course objectives. ***This course will be an on-site dual enrollment (direct credit) class offered through Baker College, and students must meet all dual enrollment requirements to enroll in this class.*** (Course Number 927)

Prerequisite: Successful completion of English 11 A & B

ELA Lab A & B (full years, 1 credit, grades 9-12)

Teacher Recommendation: Students must have been identified as having a need based on district assessments & their Educational Development Plan (EDP). This course will expand on the high school content expectations learned in the English Language Arts. This class will help students comprehend and retain these expectations through individual and group work. Learning cross curricular ELA skills and strategies and moving towards more independence with implementation is a strong focus. Finally, remediation of expectations not previously learned in ELA will be taught. (Course Number 1525 & 1526)

****MATH****

Edgenuity Virtual Pre-Algebra A & B (full year, 1 credits, grades 8-10)

This course will be offered to some students that fit certain descriptors. It is Common Core Pre-Algebra offered online with a classroom instructor. This is a full-year course that is designed for students who have completed a middle school mathematics sequence but are not yet Algebra ready. This course reviews key Algebra readiness skills from the middle grades and introduces basic Algebra I work with appropriate support. Students revisit concepts in number and operations, expressions and equations, ratio and proportion, and basic functions. By the end of the course, students are ready to begin a more

formal high school Algebra I study. This course could be used to fulfill a 4th year Math requirement or any other credit as long as the student has completed Algebra 1, Geometry, and Algebra 2. The course cannot count for credit for a grade 8 student. (*Course Numbers 89 & 90*)

Algebra I A & B (full year, 1 credit, grade 9) Required for graduation

The Algebra 1 curriculum will be aligned with the common core standards as adopted by the State of Michigan. The crosswalk document for the common core standards can be found at www.mde.gov. The Algebra 1 curriculum will consist of the following teachable units: algebraic modeling and unit analysis, linear equations and inequalities, systems of equations and inequalities, linear functions, exponential functions, piecewise and absolute value functions, quadratic functions, polynomial functions, and data analysis. An emphasis will be made to connect the symbolic, graphical, and tabular aspects of functions together through modeling and application. A graphing calculator will be provided as part of the curriculum. (*Course Numbers 319 & 320*)

Edgenuity Virtual Algebra 1 A & B (full year, 1 credit, grade 9) Required for graduation

This online course will be offered to some students who fit certain descriptors. Curricular content will match the above-listed course. (*Course Numbers 68 & 69*)

May be taken at same time as Edgenuity Pre-Algebra under specific circumstances.

Geometry A & B (full year, 1 credit, grades 10) Required for graduation

Geometry provides students with an overview of plane Euclidean geometry with primary emphasis on the Language of Geometry, Transformation Geometry, Triangles, Quadrilaterals, and other Polygons, Right Triangle Trigonometry, Circles, and Three Dimensional Figures. (*Course Numbers 343 & 344*)

Prerequisite: Successful completion of Algebra I A & B or equivalent

Fundamentals of Geometry A & B (full year, 1 credit, grades 10) Required for graduation

Teacher Recommendation: Students must have been identified as having a need based on district assessments & their Educational Development Plan (EDP). Geometry provides students with an overview of plane Euclidean geometry with primary emphasis on the Language of Geometry, Transformation Geometry, Triangles, Quadrilaterals, and other Polygons, Right Triangle Trigonometry, Circles, and Three Dimensional Figures (*Course Numbers 353 & 354*)

Edgenuity Virtual Geometry A & B (full year, grades 10) Required for graduation

This online course will be offered to some students who fit certain descriptors. Curricular content will match the above-listed course. (*Course Numbers 71 & 70*)

Prerequisite: Successful completion of Algebra I A & B or equivalent

Algebra II A & B (full year, 1 credit, grade 11) Required for graduation

The Algebra II course will cover topics including polynomial, rational, exponential, logarithmic, and trigonometric functions; complex numbers; sequences and series; collecting and interpreting data; and probability. The curriculum will be aligned with the Michigan Algebra II content expectations. (*Course Numbers 341 & 342*)

Prerequisite: Successful completion of Algebra I A & B and Geometry A & B or equivalent classes.

Algebra II w/Practical Applications A & B (1 full year, 1 credit, grade 11-12) Required for

graduation. *Teacher Recommendation: Students must have been identified as having a need based on district assessments & their Educational Development Plan (EDP).* This course focuses on semester one power standards spread throughout the entire school year and students will be able to apply the

concepts learned to different real-world situations. Topics may include: polynomial, rational, exponential, logarithmic, and trigonometric functions, sequences and series, collecting and interpreting data and probability. *(Course Numbers 3410 & 3411)*

Prerequisite: *Successful completion of Geometry A & B or equivalent classes)*

Embedded Algebra II A & B (full year, grade 11) Required for graduation

The collaborative teaching model is required for all CTE programs that are taught by teachers who are not highly qualified in the academic content area (math, science, etc.), but are certified or annually authorized in CTE. The collaborative teaching model was developed by the New York State Education Department. It involves the ongoing, active, and substantive participation of teaching professionals, working in proximity and representing different educational content areas, directed toward the creation and delivery of integrated, aligned instruction. The programs utilizing Embedded Algebra II will emphasize the standards represented by that program. *(Course Numbers 66343 & 66344)*

Prerequisite: *Successful completion of Geometry A & B or equivalent*

Edgenuity Virtual Algebra A & B (full year, grade 11) Required for graduation

This online course will be offered to some students who fit certain descriptors. Curricular content will match the above-listed course. *(Course Numbers 68 & 69)*

Prerequisite: *Successful completion of Algebra I A & B or equivalent*

MATH ELECTIVES

Accounting I A & B (full year, 1 credit, recommended for grades 11-12)

Through this course, students will gain a foundation in the skills needed for college accounting courses, office work, and managing their own small businesses. These skills are necessary for any student planning to major in business in college. In this Introduction to Accounting course, students who have never had prior accounting training are given an overview of the three forms of accounting: financial, cost, and management accounting. The course helps build an appreciation for the role of accounting in managing a profitable business. It covers the basic concepts, conventions, and rules of the double-entry system. It introduces techniques to analyze ratios from the balance sheet. The concept of ethics, integrity, and confidentiality and rigor are woven throughout. *(Course Numbers 370 & 371)*

Precalculus (1 semester, 1/2 credit, grade 12) Qualifies as 4th-year math if taken in the 12th-grade year.

This course is designed to give the student a solid background for college calculus by cementing together the topics taught in algebra, geometry, and trigonometry in greater depth. Topics covered include complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, along with their inverses and graphs; trigonometric identities and equations; and solutions of right and oblique triangles. *(Course Numbers 327)*

Prerequisite: *B- or better in Algebra II.*

Calculus (1 semester, 1/2 credit, grade 12) Qualifies as 4th-year math if taken in 12th-grade year.

This course is designed to give students a solid foundation for college Calculus. Emphasis will be placed on the theory of Calculus. Topics covered include limits and limit theory, differentiation, and applications of differentiation. *(Course Numbers 328)*

Prerequisite: *C or better in Precalculus.*

Baker College Algebra II MTH 1120 (1 semester, 1/2 credit, grade 12) *Qualifies as 4th-year math if taken in 12th-grade year.*

Examines advanced elements of algebra emphasizing the use of algebra and functions in problem-solving and modeling. Key topics include functions, inverse functions, complex numbers, rational functions, logarithms, exponential functions, conic sections, and sequences and series. Graphing is by recognition and transformation rather than by plotting points. Prerequisite: Minimum 500 on the Math subscore on SAT. This course will be an on-site dual enrollment (direct credit) class offered through Baker College; students must meet all dual enrollment requirements to enroll in this class. ***This course will be on-site dual enrollment (direct credit) classes offered through Baker College, students must meet all dual enrollment requirements to enroll in these classes. Requirements can be found near the end of this document. (Course Number 951)***

Baker College Statistical Methods MTH 2750 (1 semester, ½ credit, grades 12) *Qualifies as 4th-year math if taken in the 12th-grade year.*

Focuses on data interpretation and practical application of introductory level statistics. Emphasizes a conceptual understanding of the use of statistics in various fields, including the ability to interpret results. Topics include development and analysis of descriptive statistics, inferential statistics (bivariate), and regression analysis. Students determine appropriate statistical methods, calculate basic statistical values, and analyze/interpret data sets including statistical software study results. Prerequisite: Minimum 500 on the Math subscore on SAT. This course will be an on-site dual enrollment (direct credit) class offered through Baker College; students must meet all dual enrollment requirements to enroll in this class. ***This course will be an on-site dual enrollment (direct credit) class offered through Baker College, and students must meet all dual enrollment requirements to enroll in this class. (Course Number 329)***

Prerequisite: Successful completion of College Algebra II or equivalent classes.

Personal Finance A & B (full year, 1 credit, grade 12) *Qualifies as 4th-year math*

This course will cover topics of Personal Finance, such as savings, investing, choosing a career, buying a car, housing, taxes, travel, and creating a budget. Algebra and Geometry topics will also be studied in this course. (Course Numbers 345 & 346)

GENERAL ELECTIVE MATH COURSES

Algebra Lab A & B (full year, 1 credit, grade 9) *Does not count towards the 4.0 credits of mathematics required for graduation*

This course will expand on the high school content expectations learned in Algebra I. The class will help students comprehend and retain these expectations through individual and group work. Graphing calculator technology will be introduced to help facilitate learning. Finally, remediation of expectations not achieved in Algebra I will be handled along with basic math concepts. (Course Numbers 347 & 348) ***This is a general elective course only. Must be taken concurrently with Algebra A & B.***

Math Lab A & B (full year, 1 credit, grade 9-12) *Does not count towards the 4.0 credits of mathematics required for graduation*

Teacher Recommendation: Students must have been identified as having a need based on district assessments & their Educational Development Plan (EDP). This course will expand on the high school content expectations learned in Algebra I. The class will help students comprehend and retain these expectations through individual and group work. Finally, remediation of expectations not achieved in Algebra I will be handled along with basic math concepts. (Course Numbers 0058 & 0059)

****PHYSICAL EDUCATION AND HEALTH****

Group Fitness (1 semester, ½ credit, grades 9-12) 1 Semester of Physical Education, Strength & Conditioning, Yoga, or Group Fitness is required for graduation.

Group fitness classes for everybody including Pilates, Body Sculpting, Abs and Core, Barre, Cardio, Circuit and Interval Training/Hiit, Myofascial Release, Kickboxing, Yoga, Hiking, and more. Focusing on physical fitness components: cardiovascular endurance, muscle strength, muscular endurance, body fat composition, and flexibility. (Course Number 811)

Health (1 semester, ½ credit, grade 10) Required for Graduation

The purpose of health class is to develop a greater understanding of a variety of health practices to increase each student's quality of life. Students will be exploring how all areas of health are connected and related. Through bookwork, class discussions, research, and projects each student will come to learn about different health topics, and how to apply those topics to his or her life. (Course Number 820)

Physical Education (1 semester, ½ credit, grades 9-12) 1 Semester of Physical Education, Strength & Conditioning, Yoga, or Group Fitness is required for graduation.

This course will stress the development of physical fitness, sports skills, knowledge of sports rules and terms, as well as concepts like teamwork and fair play. The students will learn the importance and the skills necessary to become a lifelong participant in physical activity. Typical sports covered throughout the year are track and field, softball, soccer, volleyball, basketball, team handball, floor hockey, badminton, flag football, and golf. In addition to these sports, physical fitness activities will be interjected throughout both semesters. Students will be required to dress in athletic clothing every single day. (Course Number 818)

Strength/Conditioning (1 semester, ½ credit, grades 9-12) 1 Semester of Physical Education, Strength & Conditioning, Yoga, or Group Fitness is required for graduation.

This course is designed for the highly motivated student-athlete interested in developing speed, quickness, and muscular power. The average student taking the course can expect to increase his or her upper body strength, lower body strength, range of motion, vertical jump, and decrease his or her 40 yard dash time. Students will learn proper running and weightlifting techniques. Students may enroll for more than one semester. Students will be required to dress in athletic clothing every single day. (Course Number 810)

Advanced Strength/Conditioning (1 semester, ½ credit, grades 9-12)

This course is designed for the highly motivated student-athlete interested in developing speed, quickness, and muscular power. The average student taking the course can expect to increase his or her upper body strength, lower body strength, range of motion, vertical jump, and decrease his or her 40 yard dash time. Students will learn proper running and weightlifting techniques. Students may enroll for more than one semester. Students must have successfully completed at least one semester of Strength/Conditioning. THIS IS A 0 HOUR COURSE AND MEETS AT 7:10 AM. Students will be required to dress in athletic clothing every single day. (Course Numbers 814 & 815)

Yoga (1 semester, ½ credit, grades 9-12) 1 Semester of Physical Education, Strength & Conditioning, Yoga, or Group Fitness is required for graduation.

Students will learn and practice different yoga styles including yin (poses held for longer periods), vinyasa (flow from pose to pose more quickly), and Ashtanga (power) yoga while incorporating pranayama (breathing techniques) performing multiple-element rhythmic movement sequences and patterns practicing motor skills with self-expression while exhibiting behavior exemplifying positive personal and social character traits also including cardio, muscular strength, endurance, and flexibility movements. Students create a portfolio showcasing what they have learned with pictures, text, and other evidence of their learning. (Course Numbers 821)

****SCIENCE***

Biology A & B (full year, 1 credit, grade 9) Required for graduation

This course is the study of living organisms. Attention is given to the structure and function of the cell, to organisms such as microorganisms, multicellular plants, invertebrates and vertebrates. Inter-relationships of organisms and their environment are also discussed. (Course Numbers 441 & 442)

Edgenuity Virtual Biology A & B (Full year, 1 credit, grade 9) Required for graduation

This online course will be offered to some students who fit certain descriptors. Curricular content will match the above-listed course. (Course Numbers 80 & 2101)

Physical Science (full year, 1 credit, grade 10) Required unless taking Chemistry and/or Physics

This course is recommended for students who want a basic level of knowledge in Chemistry and Physics concepts prior to taking the full year of either Chemistry or Physics. The idea behind this course is to offer students exposure to enough content in both of these subject areas in order to be successful on the MME test. (Course Numbers 450 & 451)

Prerequisite: successful completion of Biology A & B

Edgenuity Virtual Physical Science (full year, 1 credit, grade 10) Required unless taking Chemistry or Physics

This online course will be offered to some students who fit certain descriptors. Curricular content will match the above-listed course. (Course Numbers 2102 & 2103)

Prerequisite: successful completion of Biology A & B

Earth and Space Science A & B (full year, 1 credit, grades 9-12)

This course will be offered to some students that fit certain descriptors. It is Common Core Earth and Space Science offered online with a classroom instructor. High school students enrolled in the first semester of this dynamic course will explore the scope of Earth and Space Science. Students will begin by studying the origin and evolution of the universe and deepen their understanding of the universe at large. They will study the history of the earth, earth's structure and plate tectonics, weathering and erosion, and earth's biosphere, and the history of the earth. Earth and Space Science is a two-semester course that will provide a solid foundation for understanding the physical characteristics that make planet Earth and its surroundings unique and how these characteristics differ among the planets of our solar system. High school students enrolled in the second semester of this dynamic course will continue to explore the scope of Earth and Space Science. Students will begin the second semester by studying earth's hydrosphere and gain a deep understanding of water on earth, earth's oceans, and the impact of pollution and other marine ecosystem issues. They will study earth's atmosphere, natural resources and

conservation topics, and the effects of humans and technology on earth. Earth and Space Science is a two-semester course that will provide a solid foundation for understanding the physical characteristics that make planet Earth and its surroundings unique and how these characteristics differ among the planets of our solar system. (*Course Number 445 & 446*)

Chemistry A & B (full year, 1 credit, grades 10-12)

Students may take Chemistry as a sophomore with the understanding that you MUST take Physics as a junior. Topics covered are atomic structure, chemical formulas and equations, physical states of matter, solutions, ionization, acids, bases & salts, chemical reactions, reaction rates, thermochemistry, chemical bonding, and the scientific method. In addition, there are lab experiments that complement the course material. (*Course Numbers 448 & 449*)

Prerequisite: *successful completion of one year of science and one year of Algebra is recommended.*

Physics (full year, 1 credit, grades 11-12) May serve as 4th-year math if taken in the senior year.

This course is designed for students on a path toward a career or further education in the areas of physics, engineering, mechanical design, and mathematics. Students will utilize knowledge of physics and engineering to complete projects and solve presented problems. Topics will include forces and motion, simple machines, waves and energy, and electricity. (*Course Numbers 443 & 444*)

Prerequisite: *successful completion of one year of science and Algebra. Geometry is recommended.*

SCIENCE ELECTIVES

Anatomy & Physiology A & B (full year, 1 credit, grades 11-12)

Human Anatomy is an in-depth study of the human cells, tissues, and organ systems, their processes, functions, and interrelationships to maintain homeostatic condition. Clinic conditions are covered and lab participation is required. Specifically, this first year of Human Anatomy focuses on body orientation, tissues, joints, muscles, bones, and a cat dissection. (*Course Numbers 452 & 453*)

Prerequisite: *successful completion of Biology.*

Invertebrate Zoology (1 semester, ½ credit, grades 9-12)

Invertebrate Zoology includes comparisons of the diversity, evolutionary history, structure, function, and reproductive processes of the major groups of invertebrate (without backbone) animals. The emphasis is on the dynamic ways in which species adapt to their environments. This class includes several dissections to enrich the learning experience. Several days will be spent afield using various methods of gathering a diversity of invertebrates to make an invertebrate collection. (*Course Number 425*)

Prerequisite: *successful completion of Biology is recommended but not necessary.*

Vertebrate Zoology (1 semester, ½ credit, grades 9-12)

Vertebrate Zoology includes comparisons of the diversity, evolutionary history, structure, function, and reproductive processes of the major groups of vertebrate (with backbone) animals. The emphasis is on the dynamic ways in which species adapt to their environments. This class includes several dissections to enrich the learning experience. Several days will be spent afield gathering and identifying vertebrate animals. (*Course Number 440*)

Prerequisite: *successful completion of Biology is recommended but not necessary.*

Outdoor Environmental Science (full year, 2 hours, 2 credits, Grades 10-12)

This course takes a STEM, project-based learning approach to expose students to outdoor environmental science factors and activities to facilitate interaction with the environment. Biological diversity, stream and pond biology, botany, forestry, meteorology, and other outdoor science areas will be covered. Students will learn and participate in activities such as fishing, fly tying, lure making, trapping, wilderness survival, archery, snowshoeing, and more. Students will learn to make various outdoor survival gear, including lean-to's and snowshoes, by hand utilizing tools such as fixed-blade hunting knives while targeting many state High School Science Standards. (Course Numbers 454 & 455)

Fundamentals of Outdoor Environmental Science (full year, 1 hour, 1 credits, Grades 10-12)

This introductory course takes a STEM, project-based learning approach to expose students to outdoor environmental science factors and activities to facilitate interaction with the environment. Biological diversity, stream and pond biology, botany, forestry, meteorology, and other outdoor science areas will be covered. Students will learn and participate in activities such as fishing, fly tying, lure making, trapping, wilderness survival, archery, snowshoeing, and more. Students will learn to make various outdoor survival gear, including lean-to's and snowshoes, by hand utilizing tools such as fixed-blade hunting knives while targeting many state High School Science Standards. This course is not as in-depth as the two hour OES course and is targeted toward students who require a 3rd science credit for graduation. Offered on a as-needed basis. (Course Numbers 4540 & 4550)

****SOCIAL STUDIES/SOCIAL SCIENCE****

U.S. History A & B (full year, 1 credit, grade 9) Required for graduation

The first semester will include the building and rebuilding of America from Reconstruction up to WWII; focusing on the study of American social and economic problems and America becoming a world power. The second semester begins with the building of present-day America; starting from the end of WWII and includes the study of social changes caused by the Atomic Age and changes created by present-day wars. (Course Numbers 249 & 250)

Edgenuity Virtual US History A & B (full year, 1 credit, grade 9) Required for graduation

This online course will be offered to some students who fit certain descriptors. Curricular content will match the above-listed course. (Course Numbers 74 & 75)

World History & Geography A & B (full year, 1 credit, grade 10) Required for graduation

Study of the ancient world by location and period is the key focus of the course; areas covered include: Middle Ages, England, France, Renaissance, Reformation, Russia, American Indians, African, French, and American Revolutions. Students will understand the historical and cultural influences of the era involved while learning about climate, vegetation, population, natural resources, and land use of the time period. A study of the different regions in today's world will also be examined; the student will be discovering these areas through the use of map skills, graphing, and general study to compare these different regions. (Course Numbers 247 & 248)

Prerequisite: U.S. History A & B

Edgenuity Virtual World History & Geography A & B (full year, 1 credit, grade 10) Required for graduation

This online course will be offered to some students who fit certain descriptors. Curricular content will match the above-listed course. (Course Numbers 77 & 76)

Prerequisite: U.S. History A & B

Economics (1 semester, ½ credit, grade 10) Required for graduation

Economics course provides students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. This course may also cover topics such as principles of macroeconomics, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both. (Course Number 242)

Edgenuity Virtual Economics (1 semester, ½ credit, grade 10) Required for graduation

This online course will be offered to some students who fit certain descriptors. Curricular content will match the above-listed course. (Course Number 242E)

Civics & Senior Seminar A & B (2 semesters, 1 credit, grade 12) Required for graduation

This course is described as the “engine of constitutional democracy and a free society” and knowing our rights and responsibilities as citizens “running this engine.” This course provides civic discourse and U.S. governmental understanding in order to become productive, democratic, and “free-thinking” citizens of the United States of America. Also integrated in this course will be our Senior Seminar content that is designed to guide students in their future preparation beyond Pine River High School’s walls. This content allows seniors to organize and apply for colleges, trade schools, scholarships and financial aid, as well as to explore careers and work on job-related skills such as interviewing. (Course Numbers 251 & 252)

Note: Students who have previously taken Civics as a stand-alone course will be required to take the online Achieving Your Career and College Goals Course

SOCIAL STUDIES/SOCIAL SCIENCE ELECTIVES

Current Issues (1 semester, ½ credit, grades 9-12) (Course can be repeated for elective credit)

Beginning with contemporary/modern U.S. history around 1980, this course introduces students to issues that influence our lives in this global, multicultural society. Students will research current economic, political, social, and cultural problems, and explore how ongoing conflicts affect groups as well as individuals. Emphasis is on America as a dynamic society in the 21st century, witnessing changes involving community, state, nation, and world. Some of the pressing problems facing our rapidly changing society will be examined in detail using a variety of media. Critical thinking skills and technology-related research is emphasized. **Speaking and listening skills are reinforced through class discussions and oral presentations.** The study of interdisciplinary connections relates current events to history thereby enabling students to grasp the interrelationship between and among them. The use of a variety of technologies is integrated throughout the curriculum. (Course Number 253)

Psychology (1 semester, ½ credit, grades 11-12)

Psychology is the systematic study of individual human behavior and experience. The purpose of this course is to introduce the student to the content, terminology, methodology, and application of psychology. This course contains an introduction followed by four units based on the physiological,

cognitive, behavioral, and affective domains of psychology. This elective course stresses the application of academic content to the student's life. (*Course Number 217*)

****VISUAL/PERFORMING ARTS****

Art I (1 semester, ½ credit, grades 9-12)

This course will provide students with the skills and vocabulary for understanding and appreciating art. This will deal mainly with two-dimensional art, drawing, and the understanding of perspective. The course will offer students the opportunity to develop fine art skills through art practice. Students will realize the importance of his/her creativity as personal style is developed and creative problem-solving abilities are improved. Sketchbook drawings will be required. (*Course Number 642*)

Art II (1 semester, ½ credit, grades 9-12)

This course will offer students the opportunity to further develop their creativity, while involving them in more complex art projects both two dimensional and three. Advanced students will experience a deeper involvement in studio processes. Sketchbook drawings will be required. (*Course Number 643*)

Prerequisite: *Art I and/or teacher recommendation*

Advanced Art (1 semester, ½ credit, grades 10 – 12)

This course will provide students the opportunity to continue the development of their creativity and challenge them to explore and express their personal style at higher levels. Sketchbook drawings will be required. (*Course Number 645*) **Advanced Art may be taken more than once.*

Prerequisite: *Art II with C or better and/or teacher recommendation*

Painting (1 semester, ½ credit, grades 10-12)

This course will explore painterly techniques and artists through the painting mediums such as acrylics, watercolors, tempera, pastels, and Prismacolor. Students will have the opportunity to explore these mediums and turn out quality artwork. Sketchbook drawings will be required. (*Course Number 644*)

Prerequisite: *Art I with C or better and/or teacher recommendation*

High School Band A & B (full year, 1 credit, grades 9-12)

A course designed for a broad instrumental background, presenting a wide variety of musical experiences including solo and small ensemble performances. All students participate in Marching Band in the fall season and in Concert Band in the winter and spring seasons. (*Course Numbers 633 & 634*)

Jazz Band (full year, 1 credit, grades 9-12)

Jazz Band is a performance-based class designed for students currently enrolled in the Marching/Concert Band who wish to explore other genres of music, specifically jazz/blues/rock and roll. A wide variety of music and musicians will be studied, in addition to learning basic improvisational skills. Students not currently enrolled in Marching/Concert Band will be allowed to join Jazz Band based on the needs of the ensemble and the director's approval.

Students wishing to join jazz band must know how to read music. (*Course Numbers 635 & 636*)

Jazz Band/Chamber Ensemble (full year, 1 credit (9-12 ONLY), grades 6 and 9-12)

Jazz Band/Chamber Ensemble is a performance-based class in which HS students and 6th graders will work together in a collaborative setting with HS students focusing their performance skills in the jazz genre and serving as mentors to the 6th grade students who will be learning their beginning band instruments. Students will split their time between full group rehearsal, sectional/small group rehearsal, and individual rehearsal/work time designed to enhance their understanding of music theory and notation.

Grading for 6th grade will be credit/no credit, resulting in NO HS credit. HS grading will be credit bearing, utilizing the HS grading scale.

Choir (full year, 1 credit, grades 9-12)

This course will provide an exploration into choral music. Students will perform at concerts and various events. Although not required, previous music experience is helpful, because of the basic music reading skills and singing techniques needed for choral music. (*Course Numbers 637 & 638*)

Woodworking I (full year, 1 credit, grades 9-12)

This is an introductory level Industrial Arts class that exposes students to units in drafting, bench metals, woodworking, and homeowner repairs. Students are expected to research, design, plan, measure, and construct small projects in all of the areas covered. Primary emphasis will be given to hand tool usage and basic machine operations that are commonly used in a general shop/woodworking environment. (*Course Numbers 700 & 701*)

Woodworking II (full year, 1 credit, grades 10-12)

This class offers students a chance to explore, in-depth, the area of cabinet and case furniture construction. Each student will research and construct a major project that includes doors, lids, and/or drawers. Students will be encouraged to enter this project in a regional furniture competition that is held each spring. Along with cabinet-making, smaller units such as laminating, veneering, fish/animal carving, advanced lathe turning, mass production and furniture repair will be introduced. Students will also have the chance to construct any project outside these areas with the instructor's approval. (*Course Numbers 703 & 704*)

Prerequisite: *successful completion of Woodworking I with a grade average of C or better.*

Woodworking III (full year, 1 credit, grades 11 and/or 12)

This course expands on the basic skills acquired in the previous woods courses. Students will be working at their own pace with guided instruction. Units covered are, period furniture, 3-D carving, bowl turning, toolmaking, mass production and machine maintenance. Required projects include: 3-D carving, and typically one or two case type pieces of furniture. (*Course Numbers 705 & 706*)

Prerequisite: *successful completion of Woodworking II with a grade average of C or better.*

Hobby Woodworking (semester, 1/2 credit, grades 9-12)

This is a basic woodcraft class with no prior experience required. Students will be introduced to basic wood-crafting techniques and safe practices. Students will be constructing several small projects such as lathe-turned jig poles, fish decoys, cutting boards, camp stool, box turkey call, and relief carving. (*Course Number 901*)

Basic Drafting (semester, 1/2 credit, grades 9-12)

This is a Mechanical/Architectural drawing course that will provide students with knowledge of drafting tools and techniques. Includes drafting fundamentals, lettering, geometric construction, orthographic projection, isometric drawing, dimensioning, and sectional views. In addition, students will develop basic architectural drafting skills using manual drafting tools and some cad applications to draw floor plans, wall sections, roof types, and elevations of single-story structures. *(Course Number 902)*

Other courses that count as Visual Performing Arts include Communication Technology (computers section), and Business Management Administration (BMA), Digital Media Productions, Hospitality, Retail & Entrepreneurship (HRE), and Metal Fabrication offered at the Career Technical Center.

****WORLD LANGUAGES****

Two (2) years of a World Language are required for graduation.

Spanish I A & B (full year, 1 credit, grade 9) This class will introduce the student to the Spanish language as spoken in the Americas and to the cultures of Latin America. Initial emphasis will be on listening comprehension and simple conversation. Once students are familiar with the sound of spoken Spanish, emphasis will shift to include speaking, reading, and writing. *(Course Numbers 650 & 651)*

Spanish II A & B (full year, 1 credit, grades 10-12)

A continuation of Spanish I, this level will expand the student's level of comprehension and speaking ability. Vocabulary will increase a great deal and the past tenses will be added. *(Course Numbers 653 & 654)*

Prerequisite: *successful completion of Spanish I with a grade average of B or better.*

Note: *There will be years when Spanish II will be limited to one section of 34 students. First choice will be given to students who have earned the highest grades from Spanish 1, and the tiebreaker will be cumulative G.P.A.*

Advanced Spanish A & B (full year, 1 credit, grade 10-12)

This is a program of advanced beginners to intermediate level language. It is divided as follows: During the school years in which the fall of the year is an even-numbered year (example: 2020, 2022, 2024, etc.) this course will concentrate on putting all of the basic vocabulary and structures learned previously into practical use. As before, emphasis will be on listening comprehension and situational skills. Students will expand their expression with higher verb forms such as all compound tenses, future and conditional. This year will also include detailed culture units on Mexico, Central and South American, the Caribbean, and Spain, to explore the wide variety of Spanish-speaking regions of the world today, as well as the history of their native civilizations.

During the school years in which the fall of the year is an odd-numbered year (example: 2019, 2021, 2023, etc.) this course will concentrate on preparation for the tentative trip to Mexico. Vocabulary units will give students the knowledge needed to successfully maneuver through hotels, the airport, customs, markets, restaurants, and museums. Cultural information will prepare students for every kind of social interaction relevant to travel in Mexico. Verb forms will add the imperative and subjunctive, as they would be used in the vocabulary situations being studied. *(Course Numbers 655 & 656)*

When offered, in the spring of even-numbered years (2020, 2022, etc.) the Spanish III/IV (Jr. and Sr) classes are eligible to participate in a class tour of Mexico. This trip will be reevaluated every year by the

School Board, administration, and the teacher, and is contingent on approval. To participate in this trip to Mexico, students **must**:

1. Be in Spanish III or IV during the school year in which the trip is scheduled.
2. Have no less than a B average during the previous two semesters of Spanish.
3. Be in good standing in all of their other classes
4. Have no significant disciplinary action taken during their high school experience (issues will be evaluated on an individual basis).

Note: Due to the need to limit the size of the group traveling, exceptions to requirement #1 as listed above will be made only if the number of eligible and participating students is below eighteen.

***Advanced Spanish may be taken for two years.**

**** ADDITIONAL ELECTIVES****

Academic Seminar A & B (2 Semesters, 1 Credit, Grade 10)

In Academic Seminar students will work on specific skills to help them improve in core classes as well as learning study skills, time management, and other techniques to help the student become more successful in academics in general.

Leadership Development Workshop A & B (2 Semesters, 1 Credit, Grades 9-12)

The Student Leadership class at Pine River High School promotes the welfare of the student body, improves relations between students and faculty, creates and is actively involved in community projects, helps establish better relations with other schools, and serves as a communication avenue for the student body as well as the community. Students enter the class by application, and are accepted based on an interview with one of the instructors as well as the student-elected Elected Board (E-Board). The E-Board is in charge of everyday operations of the class. Members of the class represent the students in their grade level along with the entire student body. It is a privilege to be in the Student Leadership class, and is a unique opportunity to use school time to take on challenges and projects that are not found in the traditional, academic classroom. (Course Numbers 850 & 851) **This class replaces the Student Council and Principal's Council. Approval of application required.**

Life Skills (1 semester, ½ credit, grades 9-12)

This course is designed as an introduction to the life skills a student will need to function in life. Topics included are self-discovery (goals and values, citizenship and leadership), family responsibilities, communication skills, employability skills, money management, and clothing, including a sewing segment, understanding the law and health, and nutrition. (Course Number 724)

Specialized Skills A & B (full year, 1 credit, grades 9-12)

Teacher Recommendation: Students must have been identified as having a need based on district assessments & their Educational Development Plan (EDP). This classroom program is designed for students needing to increase their academic and behavioral skills sets in order to successfully and safely participate in the school environment along with their grade level peers. Utilizing Edgenuity and other resources as the curriculum delivery system, staff is able to concentrate on providing academic supports/accommodations and better support social/emotional needs by being intentional with replacement behavior documentation and individualized behavioral support plans when needed. The goal is for students to learn how to more independently utilize various skills to effectively participate in the school setting while making progress in the Michigan merit curriculum. (Course Numbers 51 & 55)

Social Issues Seminar (1 semester, ½ credit, grades 9 -12)

This course is designed for students to investigate and explore current social issues that are occurring at a national, state, local level. Students will research, discuss such issues, and share out to the class. Methods of presenting these issues could be in the form of written papers, presentations (in groups or individual), and teacher-led discussions with key questions posed at the end of each discussion based on the topic. Students will use a variety of sources to investigate/research current social issues such as educationally sound search engines, CNN10, and newspapers. *(Course Number 108)*

Teacher Mentor (1 semester, ½ credit, grade 11-12 – may enroll in two semesters or more per administrator discretion)

This class will offer an in-depth coverage of basic pedagogy and offer the student the opportunity to gain knowledge of teaching strategies, student learning, and an inside view surrounding the climate and culture of teaching in America's public schools. Students will be assigned to a mentor teacher with whom to discuss teaching, learning, and other aspects of student life on a weekly basis for a period of time equal to one full class period per week. Students will complete two papers per semester and keep a weekly journal and timesheet. The balance of the course will be a hands-on, field experience in a cadet-style teaching, as an assistant in the classroom and as a peer tutor for students taking a specific course or a course in a field in which you were previously successful. *(Course Number 8883)*

Mentor assignment/approval required. See the Counselor for the appropriate form to apply. The course in which students mentor must match interest/career matches on Xello and he/she must have EDP completed prior to scheduling Teacher Mentor course. Example: career match is Biologist and DNR Officer and student mentors in Outdoor Environmental Science class.

****Independent Study opportunities may be available in some content areas with instructor and administrator approval.***

**** SPECIAL EDUCATION PROGRAMS****

Daily Living Math (credits/number of hours vary)

This class is designed for a special population at Pine River High School. It will focus on math skills needed to participate and progress from high school to adult life. Students will learn skills associated with banking (savings, checking accounts, debit and credit card, insurance needs, taxes, discounts, and the Dave Ramsey Finance course, etc.). We will learn about how to follow recipes, make various types of measurements, ratios, creating budgets, and how to manage money. At times, the class will go off-site for enhancement of the curriculum; visits may include but are not limited to Center Lake Bible Camp and the Kettunen Center. During off-site enhancement days, we will be using manipulatives in a concrete fashion to help with student retention on difficult tasks that require math knowledge and skills. *(Course Number 1539)*

Daily Living Reading Class (credits/number of hours vary)

This class is designed for a special population at Pine River High School. It will focus on skills needed in reading to help students transition into the adult and working world. Students will create portfolios that will include resumes, cover letters and a variety of other needed materials (job applications, job interview techniques, names and numbers of needed outside programs, manuals, recipes, job protocols, following step by step written instructions, correct interpretations of real-world symbols for warnings, safety, etc.) At times, the class will go off-site for enhancement of the curriculum; visits may include but are not limited to Center Lake Bible Camp and the Kettunen Center. During off-site enhancement days, we will

be using manipulatives in a concrete fashion to help with student retention that they will need to be successful not only on the job but in day to day endeavors. (Course Number 1540)

Daily Living Class (credits/number of hours vary)

This class is designed for a special population at Pine River High School. It is intended to follow the ESTR-J Transition Assessment. This assessment looks at a variety of needed life skills for students. Employment, Recreation and Leisure, Post-Secondary Education, Home Living, and Community Participation are all areas that will be addressed. Each area lists a multitude of needed skills that students need to show mastery to become active participants in the real world after high school. At times, the class will go off-site for enhancement of the curriculum; visits may include but are not limited to Center Lake Bible Camp and the Kettunen Center. During off-site enhancement days, we will be using manipulatives in a concrete fashion to help with student retention that they will need to be successful not only on the job but in day to day endeavors. These places offer real-live situations that we cannot create at school. They provide many opportunities for experiences that are found in the ESTR-J. (Course Number 8675308)

ELA Lab A & B (credits/number of hours vary, grades 8- 12) *Teacher Recommendation: Students must have been identified as having a need based on district assessments & their Educational Development Plan (EDP).* This class is designed to strengthen, reading, vocabulary, and writing skills of students with an IEP that may have a learning disability or emotional impairment. This class will enhance ELA skills and help students in their ELA classes.

RR Math Lab A and B (credits/number of hours vary, grades 8- 12) *Teacher Recommendation: Students must have been identified as having a need based on district assessments & their Educational Development Plan (EDP).* This class is designed to strengthen mathematical basic skills, problem solving skills and reasoning of students with an IEP that may have a learning disability or emotional impairment. This class will assist in completing math courses enrolled in as well.

Financial Literacy A & B (credits/number of hours vary, grades 8- 12) *Teacher Recommendation: Students must have been identified as having a need based on district assessments & their Educational Development Plan (EDP).* Students will learn basics of personal finance such as budgeting, banking, auto loans, home mortgages, tax preparation, calculating wages among other topics. Dave Ramsey's DVD services on Financial Literacy may be used to supplement.

**** CAREER TECHNICAL CENTER PROGRAMS****

Agriscience and Natural Resources (2 semesters, 4 credits, grades 11 and/or 12)

Included in the instruction of this program will be tree and plant identification, operation of heavy equipment, forest management, aquaculture, floriculture, greenhouse operation, landscape management, and fisheries and wildlife management. (Course Numbers 1042 AM & 1067 PM)

Allied Health/ Health Science Careers (2 semesters, 4 credits, grades 11 and/or 12)

The Introduction to Health Care program at the WMCTC:

The ITHC program introduces students to the knowledge and skills required for employment within the diverse health care field. Students will study a curriculum consistent with many of the health occupations such as anatomy and physiology, communication skills, medical terminology, vital signs, CPR and First Aid certification, and safety. Employability skills are also included. (Course Numbers 1043 AM & 1068 PM)

The Health Science Careers program at the WMCTC:

All seniors and 2nd-year students will be enrolled in the Health Science Careers program, which is located at the Munson Healthcare Cadillac Hospital. Students will build upon the knowledge and skills they learned during their first year through direct patient care. Students will also receive their Nurse Aide Certification upon completion of course work. A Certified Nurse Aide works in nursing homes, assisted living, hospice, hospitals, community-based long-term care, correctional institutions, and other long-term care settings. Nursing assistants help patients of all ages perform the most basic daily tasks. The Health Science Careers program also offers Pharmacy Technician Certification and Optometry Technician. *(Course Numbers 1044 AM & 1069 PM)*

Applied Construction Technology (2 semesters, 4 credits, grades 11 and/or 12)

In the Applied Construction Technology program students will perform most of the processes required to build a home. This will include concrete, building walls, floors and roof systems, shingling, insulating, dry-walling, siding, window and door installation, trim and cabinetry work, and ceramic tile. Students will also be involved in the mechanical systems of the home including plumbing, heating, and electrical. Those entering the program will learn areas of construction consistent with the building stage of the on-going project. Students who are in the program for two years will likely have the opportunity to be exposed to all areas of residential construction. *(Course Numbers 1054 AM & 1071 PM)*

Automotive Technology (2 semesters, 4 credits, grades 11 and/or 12)

This course will teach shop safety, work habits, and the technical skills necessary to successfully pass some certification areas. There are eight total areas of certification, and at the CTC students will concentrate in the areas of Brakes & Braking Systems and Front End & Steering Systems. Other areas, such as General Maintenance, Engine Repair and Electrical Systems will receive attention as well. *(Course Numbers 1053 AM & 1070 PM)*

Business Management Administration (BMA) (2 semesters, 4 credits, grades 11 and/or 12)

Students in the Business Management Administration (BMA) program receive a broad-based overview of many contemporary business practices. Accounting, entrepreneurship, finance, graphic design, human resources, Microsoft Office Specialist (MOS) applications, and different aspects of business office equipment are explored in BMA. *(Course Numbers 1055 AM & 1072 PM)*

Career Skills (2 semesters, 4 credits, grade 10)

The Career Skills program was created to provide students with an opportunity to learn a variety of job skills in a hands-on environment. Students spend approximately four weeks in seven of our CTC programs. During their time in the programs, students will be exposed to skills which would be beneficial for entry-level positions with many local employers. The class spends time in each of the following CTC programs: Applied Construction Technology (ACT), Hospitality, Retailing, and Entrepreneurship (HRE), Heavy Equipment Mechanics (HEM), Digital Media Production (DMP), Automotive Technology (AT), Power Sports and Equipment (PSE), and Agriscience and Natural Resources (AG). The students will be coached along the way by the Career Skills Coordinator who will rotate with them throughout the programs. The Career Skills class also focuses on the following skills: financial literacy, laundry and hygiene skills, fitness, basic cooking skills, basic first aid, interview skills, and resume building. *(Course Numbers 10099 & 1081)*

Computers, Networking, and Electronics Technology (CNET) (2 semesters, 4 credits, grades 11 and/or 12)

Students will have the opportunity to become proficient in computer technician skills and receive A+ Certification training. A+ certification is an internationally recognized validation of the knowledge, as well as the technical and customer satisfaction skills, required of an entry-level computer technician. A+ Certification is the industry-wide standard for measuring benchmark level, vendor-neutral technical skills expected of a technician with six months of on-the-job experience. This is an introductory course in computer repair and maintenance.

The program also offers students experience in a variety of electrical and electronic careers. Students in this program will learn how to design, troubleshoot, and repair electrical and electronic circuits and systems. Students will learn basic AC and DC circuit principles, solid-state electronics and electronics technician skills. Students will also have the opportunity to explore the many disciplines in the electricity and electronics industry including robotics and automation, residential and commercial wiring, industrial controls, programmable logic controllers, microprocessors, and electronics repair to name a few.
(Course Numbers 1058 AM & 1073 PM)

Digital Media Production (2 semesters, 4 credits, grades 11 and/or 12)

The Digital Media Production program offers multi-faceted training for students interested in video, television, radio, and sound-related careers. During their two years, students will be exposed to extensive training on high-quality cameras, learning the basics of shooting and editing as they create their own video projects. Our in-house radio station, CTC Radio, offers those interested in radio careers a chance to program a radio station, including rotating music and announcements. (Course Numbers 1060 AM & 1074 PM)

Educational Careers (AM Session Only, 4 credits)

This program is for seniors interested in the field of education. Students will gain experience in a variety of classroom settings throughout the year. They will observe instructional staff, work directly in classrooms delivering approved lesson plans, and shadow non instructional staff to better understand the multiple professions within the path of education. Students in Educational Careers will have the opportunity for dual enrollment courses towards a career in the field of education, along with the opportunity to earn articulated credit at participating post-secondary institutions for an introductory level teacher education course. While in the program, they will gain knowledge in the fundamental concepts of teacher education through weekly sessions with their Educational Careers instructor where they will learn the history of education, current educational best practices, explore the issues facing students, teachers, and schools, build their digital portfolio, and participate in other activities.

Empower (2 semesters, 4 credits, grades 11 and 12)

By differentiating the curriculum, the teacher will be able to provide instruction that is suitable to each student's present level of performance which in turn will assist them in achieving their post-secondary goals at an appropriate rate. 3 program planning rubrics (Adult Living, Career & Employment and Post-Secondary Education, and Community Participation) will be implemented to determine the standing of each student in the program and monitor progress. (Course Number 10100)

Heavy Equipment Mechanics (2 semesters, 4 credits, grades 11 and/or 12)

This course will teach shop safety, work habits, and the technical skills necessary to successfully pass the Michigan State Mechanics Certification test in Diesel Engine Repair, Electrical, and Braking Systems. Instruction and training will focus on diesel engine repair (air and hydraulic), electrical and electronic

systems, and preventive maintenance. Exposure to suspension and steering, drive train, air conditioning and hydraulics will also be included. The Heavy Equipment Mechanics program is certified by the National Automotive Technicians Education Foundation (NATEF). This demands a very exhaustive curriculum in specific areas of certification. *(Course Numbers 1016 AM & 1079 PM)*

Hospitality, Retailing, and Entrepreneurship (2 semesters, 4 credits, grades 11 and/or 12)

Friendly, outgoing, creative people find this career field most rewarding. Students in this program will learn aspects of owning and operating their own business such as: Management, Marketing, Customer Service, & Retail as well as aspects of the Hospitality Industry such as: Travel & Tourism and Culinary Arts. Students rotate through the various program components learning about sales, merchandise display, business start-up operation and management, advertising, cash register operation, record-keeping, food preparation, dining room service, banquet service, sanitation, safety, food storage, and portion control. Students will actually operate the school store and restaurant facilities. *(Course Numbers 1062 AM & 1075 PM)*

Launch (2 semesters, 4 credits, grades 11 & 12) The Launch program provides 11th-12th grade students with an opportunity to learn a variety of career ready skills in a hands-on environment. While in the classroom, students will learn the necessary employability skills to get and keep a job, explore career interests, create resumes, practice interview skills, and learn the essential skills of leadership, teamwork, communication, problem-solving, work ethic, flexibility/adaptability and interpersonal skills. A Personal Finance course will be taught every other year, alternating with a Technical Math course during the opposite year. Students will spend 2-3 days a week in the community participating in work-based learning experiences with local employers using the support of a job coach. *(Course Number 10096)*

Manufacturing Technology (2 semesters, 4 credits, grades 11 and/or 12)

Engineering Technology is a unique program that incorporates advanced math, innovative, and critical thinking skills along with hands-on training. Students in the Engineering Technology program learn Computer-Aided Design (CAD) and Computer-Aided Manufacturing (CAM). Additionally, students can shape metals and other materials on machines such as lathes, mills, grinders, drill presses and band saws both manually and, in some cases, through the sophisticated application of computers. Use of precision measuring tools and working within very close tolerances is necessary. Students will also have the opportunity to design 3-dimensional objects on the CAD system that can then be made into prototypes using a 3D printer. The CTC Engineering Technology lab uses state-of-the-art industrial equipment which is similar in all respects to those found in area industry. *(Course Numbers 1017 AM & 1080 PM)*

Metal Fabrication & Welding (2 semesters, 4 credits, grades 11 and/or 12)

Students in the Metal Fabrication and Welding program learn various methods of fabricating metal, such as sawing, shearing, bending and rolling. Various welding methods are taught including Oxy-acetylene cutting and welding, Shielded metal arc welding (stick), Gas metal arc welding / Metal inert gas welding (MIG), Gas tungsten arc welding (TIG), and plasma arc cutting. Students learn to read blueprints, mathematics applied for welders, basic science course work involving metallurgy and gas elements, employability skills, as well as operate computers that are used in the welding field. *(Course Numbers 1064 AM & 1076 PM)*

Power Sports & Equipment (2 semesters, 4 credits, grades 11 and/or 12)

Students in the Power Sports and Equipment program learn to identify engine and chassis components and use factory repair manuals to diagnose and repair various types of outdoor power equipment. Theory, maintenance and repair of equipment such as inboard/outboard marine engines, snowmobiles, motorcycles, ATV's, UTV's, and lawn and garden equipment are also studied. Students gain practice in precision measuring, diagnosis/problem-solving, and failure analysis which are evaluated by performance testing. *(Course Numbers 1065 AM & 1077 PM)*

Public Safety (2 semesters, 4 credits, grades 11 and/or 12)

In this program, it is of the utmost importance that we find the most dedicated and hardworking individuals willing to study and train in the field of Public Safety. This field is, and always will be, in need of men and women who dedicate themselves to providing safety and justice to those who are around them. In this class, you will learn what it takes to be a police officer, firefighter, EMS technician, as well as dozens of other career paths within the Public Safety field. Students will use some of the most modern training techniques and technologies to simulate experiences similar to real-life experiences of current professionals in this field. Job shadowing, co-op opportunities, and guest speakers will expose students to many different job opportunities within the Public Safety field. *(Course Numbers 1066 AM & 1078 PM)*

**** ONLINE COURSES ****

Online high school courses--required or elective--recommended and usually reserved only for juniors and seniors, are available to students who need a required course for graduation but are unable to take it in person due to scheduling conflicts/special circumstances, or for students who want to take an elective not currently offered in person that is related to a possible career field outlined in their Educational Development Plan (EDP). Students can access their EDPs on Xello to check for compliance. If elective courses are offered that fit scheduling needs, students must take the elective rather than an online course. Students enrolled in the Buck Virtual Instruction, which is 100% online, will NOT be able to enroll in the courses below unless approved by administration. In the event a student re-enrolls as a face to face student as a freshman or sophomore, they may have to complete certain online courses that are not offered face to face. This decision will be made by the building administrator. Students who are enrolled at Pine River as face to face student are expected to enroll in the courses taught by our faculty as a first option. As referred to above any scheduling conflicts/special circumstances will be handled by administration.

Students enrolling online or transferred to online or sent home to become remote learners by direction of law or Executive Order or due to health issues, will also take courses in this manner. No class will be taken on a credit/no credit basis. Seating is limited. Credits taken virtually may not exceed 1 per semester unless waived by the building principal as part of an individualized plan. The High School Counselor or Principal reserves the right to approve or remove placement in an online course. If a student fails an online elective course he or she may not be allowed to take another online course. Students are expected to meet progress goals for online courses and follow guidelines outlined in the online course syllabus. Parents of students' grades 6-12 requesting online as part of a 21F consideration, should contact the High School Counselor and visit <https://michiganvirtual.org/>. Students interested in a 100% online schedule, should contact the high school principal or guidance counselor at least three weeks prior to the beginning of the semester.

Online courses are offered through Edgenuity, Michigan Virtual University, Genesee ISD, and other providers dependent upon staff and student needs. All courses offered through Edgenuity, Michigan

Virtual University, and the Genesee ISD are approved at Pine River Area Schools and will be assigned with the best interest of the individual student in mind. Counselors will have the authority to make the final decision on what course is best suited for each student.

A list of approved courses are listed below. Additional courses that may appear in the catalog of MVU or Edgenuity are also approved. These courses are available for face-to-face students as are the ones listed at the end of this document that Buck Virtual Instruction students can take.

Accounting (1 semester, ½ credit, recommended for grades 11-12)

Through this course, students will gain a foundation in the skills needed for college accounting courses, office work, and managing their own small businesses. These skills are necessary for any student planning to major in business in college. In this Introduction to Accounting course, students who have never had prior accounting training are given an overview of the three forms of accounting: financial, cost and management accounting. The course helps build an appreciation for the role of accounting in managing a profitable business. It covers the basic concepts, conventions and rules of the double entry system. It introduces techniques to analyze ratios from the balance sheet. The concept of ethics, integrity and confidentiality and rigor are woven through all the chapters. *(Course Number 1087)*

Edgenuity Achieving Your Career and College Goals (1 semester, ½ credit, Seniors who transferred Civics)

Students explore their options for life after high school and implement plans to achieve their goals. They identify their aptitudes, skills, and preferences, and explore a wide range of potential careers. They investigate the training and education required for the career of their choice, and create a plan to be sure that their work in high school is preparing them for the next step. They also receive practical experience in essential skills such as searching and applying for college, securing financial aid, writing a resume and cover letter, and interviewing for a job. This course is geared toward 12th graders. *(Course Number VIR 3410)*

American Sign Language IA (1 semester, ½ credit, recommended for grades 11-12) MVU

Did you know that American Sign Language (ASL) is the third most commonly used language in North America? The predominant sign language of Deaf communities in the United States, American Sign Language is complex and robust, consisting of signs made with the hands, facial expressions, and body postures. American Sign Language 1A will introduce you to the language, grammar, and phonology, so that you can start communicating right away. Importantly, you will explore Deaf culture – social beliefs, traditions, history, values and communities influenced by deafness and which use sign language as the primary means of communication. *(Course Number 02)*

Anatomy and Physiology 1 & 2 (1 semester each, ½ credit each, recommended for grades 11-12)

Anatomy and Physiology Levels 1 and 2 provide a thorough introduction to the basics required for the study of the human body and how it functions. Students will receive a general introduction to life functions, the terminology, and phonetic pronunciations used to describe body parts and their locations as well as an overall review of human development and body processes. This course also includes Infection Control and Standard Precautions, which emphasizes the importance of maintaining health and safety in the health care work environment as well as highlights the latest practices and protocols. Levels 1 and 2 must be taken in sequential order. *(Course Numbers 7452 & 456)*

Anthropology (1 semester, ½ credit, recommended for grades 11-12) MVU

This course presents a behavioral science that focuses on the study of humanity and culture. Students learn the foundations of the five main branches of anthropology including physical, social, linguistic, archaeological, and cultural. They are provided the opportunity to apply their observational skills to the real-life study of cultures in the United States and around the world. *(Course Number 943)*

Archeology (1 semester, ½ credit, recommended for grades 11-12) MVU

George Santayana once said, those who cannot remember the past are condemned to repeat it. The field of archaeology helps us better understand the events and societies of the past that have helped shape our modern world. This course focuses on the techniques, methods, and theories that guide the study of the past. Students learn how archaeological research is conducted and interpreted, as well as how artifacts are located and preserved. Students also learn about the relationship of material items to culture and what we can learn about past societies from these items. *(Course Number 932)*

Astronomy (1 semester, ½ credit, recommended for grades 11-12)

Why do stars twinkle? Is it possible to fall into a black hole? Will the sun ever stop shining? Since the first glimpse of the night sky, humans have been fascinated with the stars, planets, and universe that surrounds us. This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students will examine the life cycle of stars, the properties of planets, and the exploration of space. *(Course Number 1085)*

Biotechnology (1 semester, ½ credit, recommended for grades 11-12) MVU

Can we bring back extinct species? Will the cures for cancer, malaria, and other diseases come from the combination of natural materials and new technologies? How is science changing the foods we eat? Welcome to the world of biotechnology! In this course, you will explore the history of biotechnology, including early attempts at food preservation, the development of antibiotics, and changes to food crops around the world. You'll also learn more about some of the challenges of biotechnology, such as the growth of antibiotic resistant bacteria and questions about the safety of commercially produced genetically modified organisms (GMOs). Finally, you'll research new biotechnologies and how they are changing the world we live in. *(Course Number 961)*

Business and Marketing Exploration (1 semester, ½ credit, recommended for grades 11-12)

This course is a Project Based Learning course (PBL). This course is designed as an exploration of the business career pathways. Students will get an introduction to business careers so that they can better assess which pathway to pursue. In this course students explore basic concepts in the broad areas of business and marketing, as well as career options in each area. Students study the concepts of marketing, financial management, and human resource management, in addition to other common business related functions. Students complete projects to develop a deeper understanding of the roles these business functions play. *(Course Number 003)*

Calculus A (1 semester, ½ credit, recommended for grades 11-12)

In this course students will learn about calculus principles such as derivatives, integrals, limits, approximation, applications and modeling, and sequences and series. Students will gain experience in the

use of calculus methods and learn how calculus methods may be applied to practical applications. (*Course Number 005*)

Careers in Criminal Justice (1 semester, ½ credit, recommended for grades 11-12) MVU

The criminal justice system offers a wide range of career opportunities. In this course, students will explore different areas of the criminal justice system, including the trial process, the juvenile justice system, and the correctional system. (*Course Number 934*)

Civics (1 semester, ½ credit, recommended for grades 11-12)

This one-semester course prepares students for informed and responsible participation as citizens in the American representative system. Students deepen their awareness of the values expressed in the Declaration of Independence, the Constitution, and other foundational documents of the United States. Students learn the purposes and structures of government within the American federal system. Students gain a deeper understanding of the role of the United States in its relations with other nations. Students also learn how citizens exert influence on public affairs and decisions. By participating in this course, students are better prepared to exercise the rights and responsibilities of American citizenship. (*Course Number 245*)

Cosmetology (1 semester, ½ credit, recommended for grades 11-12) MVU

Students will explore career options in the field of cosmetology. Research into some of the common techniques used in caring for hair, nails, and skin in salons, spas, and other cosmetology-related businesses will also be presented. (*Course Number 933*)

Criminology (1 semester, ½ credit, recommended for grades 11-12) MVU

In today's society, crime and deviant behavior are often one of the top concerns of society members. From the nightly news to personal experiences with victimization, crime seems to be all around us. In this course, we will explore the field of criminology or the study of crime. In doing so, we will look at possible explanations for crime from psychological, biological, and sociological standpoints, explore the various types of crime and their consequences for society, and investigate how crime and criminals are handled by the criminal justice system. Why do some individuals commit crimes but others don't? What aspects in our culture and society promote crime and deviance? Why do individuals receive different punishments for the same crime? What factors shape the criminal case process, from arrest to punishments? (*Course Number 9010*)

Early Childhood Education (1 semester, ½ credit, recommended for grades 11-12) MVU

Want to have an impact on the most important years of human development? Students will learn how to create fun and educational environments for children, how to keep the environment safe for children, and how to encourage the health and well-being of infants, toddlers, and school-aged children. (*Course Number 935*)

Economics (1 semester, ½ credit, recommended for grades 11-12)

Students will be introduced to the basics of economic principles, and they will learn the importance of understanding different economic systems. They will also investigate how to think like an economist. Students will explore different economic systems, including the American Free Enterprise System, and they will analyze and interpret data to understand the laws of supply and demand. Students will also be presented with economic applications in today's world. From economics in the world of business, money, banking, and finance, students will see how economics is applied both domestically and globally. Students

will also study how the government is involved in establishing economic stability in the American Free Enterprise System as well as how the U.S. economy has a global impact. *(Course Number 242)*

Forensic Science (1 semester, ½ credit, recommended for grades 11-12)

This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Through online lessons, virtual and hands-on labs, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions. *(Course Number 9216)*

Health Science I (1 semester, ½ credit, recommended for grades 11-12) MVU

Will we ever find a cure for cancer? What treatments are best for conditions like diabetes and asthma? How are illnesses like meningitis, tuberculosis, and the measles identified and diagnosed? Health sciences provide the answers to questions such as these. In this course, students will be introduced to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. They will explore the importance of diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science areas. *(Course Number 1086)*

Health Science II (1 semester, ½ credit, recommended for grades 11-12) MVU

Health Science II is designed to further students' understanding of the healthcare workplace, including patient and caregiver interactions and how various members of the healthcare team work together to create an ethical, functional and compassionate environment for patients. *(Course Number 1092)*

History of the Holocaust (1 semester, ½ credit, recommended for grades 11-12)

Holocaust education requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events. In this course, students will study the history of anti-Semitism; the rise of the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. The study of the Holocaust is a multi-disciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, high school students will gain an understanding of the ramifications of prejudice and indifference, the potential for government-supported terror, and they will get glimpses of kindness and humanity in the worst of times. *(Course Number 936)*

Introduction to Coding (1 semester, ½ credit, recommended for grades (9-12)

This one semester course focuses students on the essential skills required for Python. Through hands-on projects and written assignments, students gain an understanding of the operation of coding. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the field of IT. *(Course Number 922)*

Introduction to Entrepreneurship (1 semester, ½ credit, recommended for grades 11-12) MVU

In this introductory business course, students learn the basics of planning and launching their own successful business. Whether they want to start their own money-making business or create a non-profit to help others, this course helps students develop the core skills they need to be successful. They learn how to come up with new business ideas, attract investors, market their business, and manage expenses. Students hear inspirational stories of teen entrepreneurs who have turned their ideas into reality, and then they plan and execute their own business. *(Course Number 9335)*

Introduction to Marketing (1 semester, ½ credit, recommended for grades 11-12)

Students find out what it takes to market a product or service in today's fast-paced business environment. They learn the fundamentals of marketing using real-world business examples. They learn about buyer behavior, marketing research principles, demand analysis, distribution, financing, pricing, and product management. (Course Number 9501)

Introduction to Medical Terminology (1 semester, ½ credit, recommended for grades 11-12) MVU

This course is designed for the beginning health care student and simplifies the process of learning hundreds of complex medical terms. The course helps students understand specialties, pathology, diagnostic, and treatment procedures. The course includes critical thinking exercise scenarios that involve patients and pathology so students can apply their knowledge to the real world. (Course Number 929)

Law & Order/Legal Studies (1 semester, ½ credit, recommended for grades 11-12)

Every purchase, lease, contract, marriage, divorce, arrest, crime or traffic violation places the citizen face-to-face with the law. Law & Order is designed to provide students with an understanding of their legal rights and responsibilities. (Course Number 937)

Life Skills (1 semester, ½ credit, recommended for grades 11-12)

Life Skills is designed to increase student knowledge and ability in skills necessary for everyday living. The course emphasizes defining personal values, goal-setting and planning, making decisions and solving problems, evaluating information and dealing with media and peer pressure, communication and relationships, decision making, wellness and personal safety, and contributing to your community. (Course Number 1724)

Nutrition and Wellness (1 semester, ½ credit, recommended for grades 11-12)

This course will introduce the student to an overview of good nutrition principles that are needed for human physical and mental wellness. Discussion of digestion, basic nutrients, weight management, sports and fitness, and life-span nutrition is included. Application to today's food and eating trends, plus learning to assess for reliable nutrition information is emphasized. (Course Number 958)

Philosophy (1 semester, ½ credit, recommended for grades 11-12) MVU

This course will take you on an exciting adventure that covers more than 2500 years. Along the way, you'll run into some very strange characters. For example, you'll read about a man who hung out on street corners, barefoot and dirty, pestering everyone he met with questions. You'll read about another man who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the most brilliant and influential thinkers of all time. As you read about them, you'll see where many of the most fundamental ideas of Western civilization came from. You'll also get a chance to ask yourself some of the same questions these great thinkers pondered. At the end, you'll have a better understanding of yourself and the world around you, from atoms to outer space and everything in between. (Course Number 306)

Pre-Calculus/Trigonometry B (1 semester, ½ credit, recommended for grades 11-12)

Pre-calculus weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; and conic sections in the first semester. The second semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and arithmetic of complex numbers. Cross-curricular connections are made throughout the course to calculus, art, history, and a variety of other fields related to mathematics. (*Course Number 004*)

Psychology (1 semester, ½ credit, recommended for grades 11-12) MVU

Psychology is one of the behavioral sciences and encompasses the study of the human mind. Psychologists use laboratory research and observation to determine how people's thoughts influence their actions. Social psychologists focus on how members of a group interact with each other. Students examine how these interactions can lead the group to agreements and success or disagreements and failure. Students will also explore how people use their mental processes to learn, solve problems, and face the challenges of their daily lives. (*Course Number 7073*)

Sociology (1 semester, ½ credit, recommended for grades 11-12) MVU

The world is becoming more complex. How do your beliefs, values and behavior affect the people around you and the world we live in? In this increasingly connected world, students will examine problems in our society and learn how human relationships can influence the life of the student. Exciting online video journeys to different areas of the world are also presented in the course. (*Course Number 944*)

Sports and Entertainment Marketing (1 semester, ½ credit, recommended for grades 11-12) MVU

Have you ever wished to play sports professionally? Have you dreamed of one day becoming an agent for a celebrity entertainer? If you answered yes to either question, then believe it or not, you've been fantasizing about entering the exciting world of sports and entertainment marketing. Although this particular form of marketing bears some resemblance to traditional marketing, there are many differences as well—including a lot more glitz and glamour! In this course, you'll have the opportunity to explore basic marketing principles and delve deeper into the multi-billion dollar sports and entertainment marketing industry. You'll learn about how professional athletes, sports teams, and well known entertainers are marketed as commodities and how some of them become billionaires as a result. If you've ever wondered about how things work behind the scenes of a major sporting event such as the Super Bowl or even entertained the idea of playing a role in such an event, then this course will introduce you to the fundamentals of such a career. (*Course Number 016*)

Veterinary Science (1 semester, ½ credit, recommended for grades 11-12) MVU

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times...we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied. (*Course Number 001*)

World History B (1 semester, ½ credit, recommended for grades 11-12)

In this comprehensive survey of world history from prehistoric to modern times, students focus in depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts and skills within the context of the historical narrative. Online lessons and assessments complement *World History: Our Human Story*, a textbook written and published by K¹². Students are challenged to consider topics in depth as they analyze primary sources and maps, create timelines, and complete other projects practicing historical thinking and writing skills as they explore the broad themes and big ideas of human history. (*Course Number 255*)

World Religions (1 semester, ½ credit, recommended for grades 11-12) MVU

Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students will trace the major developments in these religions and explore their relationships with social institutions and culture. The course will also discuss some of the similarities and differences among the major religions and examine the connections and influences they have. (*Course Number 7785*)

Overload Courses, tuition-based, student fee required, credits vary

Overload courses are tuition-only courses, paid in full by the student. Overload courses are extra courses taken by the student to accelerate the progression of classes to make access to dual enrollment more timely or meet the requirements of specific post-secondary opportunities. Overload courses may be taken by students with the permission of the building Principal only. An overload course is a high school level course that is taken in excess of the student's regular school day and may not result in a schedule that violates state law regarding maximum hours for school and work in a week. These courses may be offered in a traditional format, but are usually online, during the summertime, or outside school hours. Overload courses are independent, not taught by Pine River Area Schools, and are above and beyond the full course load offered. Students must maintain a full schedule in order to qualify or count as credit any completed course taken this way. Courses must be accredited and meet the student's educational goals as determined by the building Principal. Courses must be paid for prior to the attempt for credit. A signed agreement between Pine River, parents, and students is required at course enrollment.

**** 8TH GRADE REGISTRATION ****

Students in the 8th grade attend school in the high school building. Their schedule is a fixed middle school schedule. Students will be scheduled into the required courses of English, History, Math, Physical Education, and Science. A required short session of C.E.T. (Corrections, Extensions, Technology) will be embedded daily with their math course. Students will have an hour of electives. They can choose either Band all year, or a semester of two of the following: Art, Woods, or World Cultures.

Art 8

Students study their artistic thought processes, and are introduced to the right and left side of the brain theory using practical assignments that deal with the symbol system, positive and negative spaces and drawing in different manners than they are used to. A recurring responsibility of a sketchbook assignment is introduced in this class having a biweekly opportunity for the teacher and students to have a discussion and critique of the students' work. Students are introduced to both one and two point

perspective. Students study numerous artists including Piet Mondrian, Chuck Close, Peter Max and Stanley Mouse looking at their influences on art movements, and the quality of their own work. Work from previous classes are expanded upon and developed further, as well as new skills being added to their artistic arsenal.

Band 8

The Eighth Grade Band at Pine River builds upon fundamental skills learned in Sixth and Seventh Grade Band. Students expand their skills through more challenging repertoire and add more concepts, technique and musical skills to what they have previously learned. Expanded opportunities for learning happen through participation in Solo and Ensemble and Band/Orchestra Festival.

Careers Awareness Skills Technology 8

This is an elective course for the full year. The class content is covered in two semesters. The first semester will be focused on learning about different careers and opportunities. Students will utilize Xello to develop their EDP and determine career interests. Also during the semester, students will work on typing skills to help them develop the skills necessary to program for semester #2. Also during semester #1, some mentoring and guidance will be provided weekly to ensure work completion. During semester #2, students will be working on learning two basic coding languages to help build and program robots. This will be for 18 weeks. Here is a more detailed description: Robotics is powering several aspects of our lives. In the next decade, the robotics industry is expected to generate over a million jobs. The mission of the LocoXtreme curriculum is to immerse students in the exciting world of robotics and to help them explore sensors, coding, physics, and data analysis and most importantly, an analytical approach to problem-solving.

The LocoXtreme robots feature sensors such as accelerometer, gyroscope, magnetometer, ultrasonic range finder, motor encoder, and temperature sensor. Each of these sensors provides a highly engaging experience for students as they explore sensor-based robot behavior.

Accompanying these robots will be the educational platform, the LocoRobo Academy that introduces students to programming through robotics with the graphical user interface and then Python programming language.

The LocoRobo Academy platform provides features two modalities:

- a. coding platform to create programs to control the robots
- b. standards aligned lesson plans, video content, worksheets, lesson guides, formative and summative assessment, and projects that involve individual challenges and team competitions

Developed by a university professor (Drexel University, Wharton School of Business, and New Jersey Institute of Technology), this curriculum will prepare students with a solid foundation to excel in future high school STEAM courses and progress toward college readiness for a university STEAM degree.

(Successful completion of 2nd semester will result in 0.5 credit of VPA for High School. This credit will not count towards student's GPA as a high school student)

English 8

This course was designed to promote a deeper understanding of both subject areas by exploring English through the lens of history. This unique perspective lends itself to independent discovery that helps promote lifelong learning. This is also a writing intensive course in which the writing process is emphasized.

Edgenuity Virtual English 8

This online course will be offered to some students that fit certain descriptors. Course content and curriculum will follow the above-listed course.

Math 8

This class is intended to prepare students for 9th grade algebra. It follows the Michigan Common Core Curriculum. The objectives are: numbers and operations, solving equations with one variable, linear equations and functions, systems of equations, geometry, geometric transformations, and data and modeling.

Edgenuity Virtual Math 8

This online course will be offered to some students that fit certain descriptors. Course content and curriculum will follow the above-listed course.

Math Lab 8

This class is intended to help students identified at-risk from their Math 7 experience. Students will work on the objectives learning in Math 8 plus work on developing basic math skills and work on strengthening them.

Physical Education 8

This year-long course is intended to focus on the basic components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body fat composition. Students will be exposed to various forms of physical exercise and exposure to team and individual sports. Additionally, students will be exposed to and tested over rules of sport and fitness. Participation is expected and students should be daily prepared to change into the appropriate dress for the outdoors or gymnasium such as gym shorts, tee-shirts, sweats, and gym shoes or outside athletic footwear. Street shoes are not to be worn on the field or in the gymnasium. ***Successful completion of both semesters will yield 1 high school credit or 0.5 credit high school credit if one semester is successfully completed. A student that completes or passes one semester of PE 8 will successfully earn the required amount of high school credit for PE in high school. The grade does not count against GPA.***

Science 8

Science 8 is an integrated science course. Primary focus is Earth Science including history of the Earth, weather, climate, natural hazards, and astronomy. Areas of Physical Science and Biology are also covered such as natural selection, forces, and electricity. Investigation and observations will lead to knowledge of the geosphere (rocks and surface), hydrosphere (rivers and oceans), and atmosphere (weather and climate). Students will then utilize this knowledge to evaluate how each of these systems interact with living things.

Edgenuity Virtual Grade 8 Earth Systems

This online course will be offered to some students that fit certain descriptors. Course content and curriculum will follow the above-listed course.

Social Studies 8

This course stretches from the Era of Exploration through the Industrial Revolution, leading students through a careful examination of Jacksonian Democracy. Students begin by exploring the colonization of the New World and examining the foundations of colonial society. As they study the early history of the United States, students will learn critical-thinking skills by examining the constitutional foundations of U.S. government. This course stretches from Manifest Destiny through the Industrial Revolution, leading students through a careful examination of the defining moments that shaped the nation of today. Recurring themes such as territorial expansion, the rise of industrialization, and the significance of slavery will be examined in the context of how these issues contributed to the Civil War and Reconstruction.

Edgenuity Virtual Social Studies 8 (Integrated US History A & B)

This online course will be offered to some students that fit certain descriptors. Course content and curriculum will follow the above-listed course.

World Cultures 8

World Cultures is a semester class supporting the Social Studies core classes. The first half of the semester is involved in defining what "culture" is, how we describe it, how we identify it. We start with analyzing our own culture of northern Michigan: what kinds of things do we do that may be unique, how do we appear to people not from here, and what is the culture of northern Michigan. We then move to the country as a whole, discussing our diversity and history of immigration. The second half of the semester expands to the rest of the world, continent by continent. For each continent, students learn 10 countries, some aspects of the main languages spoken there, and some native foods.

Woods 8

Woods 8 is a one semester elective course. The objective of this class is to improve upon knowledge, skills and techniques the students gained during their Woods 6 class. Classroom course work will introduce safety procedures, tools and machines, woodworking techniques and joinery. Shop activity will center on skill demonstration and safety on a variety of tasks and woodworking processes as well as completion of various assigned projects. In these processes students will continue to develop creativity, personal pride in their work, and an appreciation of fine craftsmanship.

5-O-D ONLINE INSTRUCTION OFFERINGS THROUGH EDGENUITY**

The following courses are available for 5-O-D instruction. The courses listed below are available to students who are enrolled as Buck Virtual Instruction students. The courses that are in ***bolded italics*** are core courses/electives. Courses without a description will be found earlier in the curriculum guidebook. Courses not listed earlier in the guidebook will have descriptions below. **Below are 5-O-D online courses offered to students in grades 8-12. However, courses in grade 8-10 unless approved by administration. Students in grades 11-12 can choose to take these courses or ones offered earlier in course description as long as the necessary paperwork is filled out and students meet the appropriate requirements.**

GRADE 8 COURSES

Edgenuity Virtual English Language Arts 8 (A & B) (Full year, grade 8, no prerequisites) In this course, students build on their knowledge and blossom as thoughtful readers and clear, effective writers. A balance of literary and informational text engages students throughout the course in reading critically, analyzing texts, and citing evidence to support claims. Students sharpen their vocabulary, grammar, and listening skills through lessons designed to provide explicit modeling and ample opportunities to practice. Students also routinely write responses to texts they have read, and use more extensive, process-based lessons to produce full-length essays in narrative, informative, analytical, and argumentative formats. In this full-year course, students develop a mastery of reading, writing, and language arts skills.

Edgenuity Virtual Mathematics 8 (A & B) (Full year, grade 8, no prerequisites) The course begins with a unit on input-output relationships that builds a foundation for learning about functions. Students make connections between verbal, numeric, algebraic, and graphical representations of relations, and apply this knowledge to create linear functions that can be used to model and solve mathematical and real world problems. Technology is used to build deeper connections among representations. Students focus on formulating expressions and equations, including modeling an association in bivariate data with a linear equation, and writing and solving linear equations and systems of linear equations. Students develop a deeper understanding of how translations, rotations, reflections and dilations of distances and angles affect congruency and similarity. Students develop rules of exponents and use them to simplify exponential expressions. Students extend rules of exponents as they perform operations with numbers in scientific notation. Estimating and comparing square roots of non-perfect squares to perfect squares exposes students to irrational numbers and lays the foundation for applications such as the Pythagorean Theorem, distance, and volume.

Edgenuity Virtual Integrated History 8 (A & B) (Full year, grade 8, no prerequisites) Integrated U.S. History is a year-long course that dynamically explores the people, places, and events that shaped early United States history. This course stretches from the Era of Exploration through the Industrial Revolution, leading students through a careful examination of the defining moments that paved the way for the United States of today. Students begin by exploring the colonization of the New World and examining the foundations of colonial society. As they study the early history of the United States, students will learn critical thinking skills by examining the constitutional foundations of the U.S. government. Recurring themes such as territorial expansion, the rise of industrialization, and the significance of slavery will be examined in the context of how these issues contributed to the Civil War and Reconstruction.

Edgenuity Virtual Grade 8 Earth Systems Science (A & B) (Full year, grade 8, no prerequisites) Students enrolled in this dynamic eighth-grade course will explore the scope of Earth sciences, covering everything from basic structure and rock formation to the incredible and volatile forces that have shaped and changed our planet. As climate change and energy conservation become increasingly more prevalent in the national discourse, it will be important for students to understand the concepts and causes of our changing Earth. Earth Science is a two-semester course that will provide a solid foundation for understanding the physical characteristics that make the planet Earth unique and will examine how these characteristics differ among the planets of our solar system.

Science 8

HIGH SCHOOL COURSES

ENGLISH LANGUAGE ARTS

Edgenuity Virtual Common Core English Language Arts 9 (A & B) (Full Year, 1 credit, Grade 9 No

Prerequisites) This freshman-year English course invites students to explore diverse texts organized into thematic units. Students will engage in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, students will master comprehension and literary-analysis strategies. Interwoven in the lessons across two semesters are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. Students will read a range of classic texts including Homer’s The Odyssey, Shakespeare’s Romeo and Juliet, and Richard Connell’s “The Most Dangerous Game.” They will also study short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course.

Edgenuity Virtual Common Core English Language Arts 10 (A & B) (Full Year, 1 credit, Grade 10,

Prerequisite: ELA 9) Focused on application, this sophomore English course reinforces literary analysis and 21st-century skills with superb pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and application, they also expand on training in media literacy, 21st-century career skills, and the essentials of grammar and vocabulary. Under the guidance of the eWriting software, students will also compose descriptive, persuasive, expository, literary analyses, research, narrative, and compare-contrast essays.

Edgenuity Virtual Common Core English Language Arts 11 (A & B) (Full Year, 1 credit, Grade 11,

Prerequisite: ELA 10) This junior-year English course invites students to delve into American literature from early American Indian voices through contemporary works. Students will engage in literary analysis and inferential evaluation of great texts, the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students will master the comprehension and literary analysis strategies that the Common Core State Standards require. Interwoven in the lessons across two semesters are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing. Students will read a range of short but complex texts, including works by Ralph Waldo Emerson, Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan, and Dave Eggers.

Edgenuity Virtual Common Core English Language Arts 12 (Full Year, 1 credit, Grade 12,

Prerequisite: ELA 11) This senior-year English Language Arts course invites you to explore a diverse collection of texts organized into thematic units. You will engage in literary analysis and inferential evaluation of both classic and contemporary literature. While critically reading fiction, poetry, drama, and expository nonfiction, you will learn comprehension and literary-analysis strategies. Tasks will encourage you to strengthen your oral language skills and produce creative, coherent writing. You will read a range of classic texts including the ancient epic Gilgamesh, William Shakespeare’s Hamlet, and Oscar Wilde’s The Importance of Being Earnest. You will study short but complex texts, including essays by Jonathan Swift and Mary Wollstonecraft, and influential speeches by Queen Elizabeth I and Franklin D. Roosevelt. Contemporary texts by Seamus Heaney, Derek Walcott, and Chinua Achebe round out the course.

SOCIAL STUDIES

Edgenuity Virtual U.S. History (A & B) (Full Year, 1 credit, grade 9-12, Prerequisite: Integrated

U.S. History 8) U.S. History is a year-long course that examines the major events and turning points of U.S. history from the Industrial Revolution through the modern age. The course leads students toward a

clearer understanding of the patterns, processes, and people that have shaped U.S. history. As students progress through each era of modern U.S. history, they will study the impact of dynamic leadership and economic and political change on the rise of the United States to global prominence, the influence of social and political movements on societal change, and the importance of modern cultural and political developments. Recurring themes lead students to draw connections between the past and the present, between cultures, and between multiple perspectives.

Edgenuity Virtual World History and Geography(A & B)(Full Year, 1 credit, grades 9-12,

Prerequisite: U.S. History) This year-long course examines the major events and turning points of world history from ancient times to the present. Students investigate the development of classical civilizations in the Middle East, Africa, Europe, and Asia, and they explore the economic, political, and social revolutions that have transformed human history. At the end of the course, students conduct a rigorous study of modern history, allowing them to draw connections between past events and contemporary issues. The use of recurring themes, such as social history, democratic government, and the relationship between history and the arts, allows students to draw connections between the past and the present, among cultures, and among multiple perspectives. Throughout the course, students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events.

Edgenuity Virtual Economics (semester course, ½ credit, grades 9-12, Prerequisite: none) This semester-long course invites students to broaden their understanding of how economic concepts—including microeconomic and macroeconomic theory, the characteristics of mixed-market economies, the role of government in a free-enterprise system and the global economy, and personal finance strategies—apply to their everyday lives. Throughout the course, students apply critical thinking skills while making practical economic choices. Students also master literacy skills through rigorous reading and writing activities. Students analyze data and write routinely and responsively in tasks and assignments that are based on scenarios, texts, activities, and examples. In a more extensive, process-based writing lesson, students write a full-length argumentative essay

Edgenuity Virtual Government/ Civics (semester course, ½ credit, grade 12, Prerequisite: none)

This semester-long course provides students with a practical understanding of the principles and procedures of government. The course begins by establishing the origins and founding principles of American government. After a rigorous review of the Constitution and its Amendments, students investigate the development and extension of civil rights and liberties. Lessons also introduce influential Supreme Court decisions to demonstrate the impact and importance of constitutional rights. The course builds on this foundation by guiding students through the function of government today and the role of citizens in the civic process and culminates in an examination of public policy and the roles of citizens and organizations in promoting policy approaches. Throughout the course, students examine primary and secondary sources, including political cartoons, essays, and judicial opinions. Students also sharpen their writing skills in shorter tasks and assignments, and practice outlining and drafting skills by writing full informative and argumentative essays.

SCIENCE

Edgenuity Virtual Biology (A & B)(Full Year, 1 credit, Grade 9-12, Prerequisite: none) This compelling full-year course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. It encompasses traditional concepts in biology and

encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab options

Edgenuity Virtual Physical Science(A & B) (Full Year, 1 credit, Grade 9-12, Prerequisite: Biology)

This full-year high school course extends student understanding of traditional concepts in chemistry and physics, and encourages exploration of new discoveries in this field of science. The course includes the study and in-depth application of scientific principles and procedures, and leads students toward a clearer understanding of matter, energy, and the physical universe. As students refine and expand their understanding of physical science, they will apply their knowledge in hands-on experiments that require them to ask questions and create hypotheses. Throughout the course, students solve problems, reason abstractly, and think critically

Edgenuity Virtual Earth and Space Science (A & B)(Full Year, 1 credit, Grades 9-12, Prerequisite: Physical Science)

Students enrolled in this rigorous course will expand on the knowledge and skills developed in middle school to explain more in-depth phenomena central to the earth and space sciences and to their daily lives. Students will gain an understanding of the universe and explore other topics such as Earth's history, structure, weather, biosphere, hydrosphere, atmosphere, resources, and the impact humans have on Earth's resources. The course includes interactive real-world examples throughout the lessons and application projects, as well as interactive lab simulations and in-school, hands-on lab options. Earth and Space Science is a two-semester course that will provide a solid foundation for understanding the physical characteristics that make the planet Earth unique and will examine how these characteristics differ among the planets of our solar system.

Edgenuity Virtual Chemistry (A & B)(Full Year, 1 credit, Grades 9-12, Prerequisite: Physical Science or Teacher Approval)

This rigorous full-year course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes 18 virtual laboratory experiments that encourage higher-order thinking applications. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.

Edgenuity Virtual Physics (A & B)(Full Year, 1 credit, Grades 9-12, Prerequisites: Physical Science or Teacher Approval)

This full-year course focuses on traditional concepts in physics, and encourages exploration of new discoveries in this field of science. The course includes an overview of scientific principles and procedures, and leads students toward a clearer understanding of motion, energy, electricity, magnetism, and the laws that govern the physical universe. As students refine and expand their understanding of physics, they will apply their knowledge in experiments that require them to ask questions and create hypotheses. Throughout the course, students solve problems, reason abstractly, and learn to think critically

MATHEMATICS

Edgenuity Virtual Algebra 1 (A & B) (Full Year, 1 credit, grades 9, Prerequisites: None) This full-year course focuses on five critical areas: relationships between quantities and reasoning with equations,

linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in middle grades by deepening students' understanding of linear and exponential functions, and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students learn how they can use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically.

Edgenuity Virtual Geometry (A & B) (Full year, 1 credit, grades 10-12, Prerequisite: Algebra 1)

Based on plane Euclidean geometry, this rigorous full-year course addresses the critical areas of: congruence, proof, and constructions; similarity and trigonometry; circles; three-dimensional figures; and probability of compound events. Transformations and deductive reasoning are common threads throughout the course. Students build on their conceptual understanding of rigid transformations established in middle school as they formally define each and then, use them to prove theorems about lines, angles, and triangle congruency. Rigid transformations are also used to establish relationships between two-dimensional and three-dimensional figures. Students use their knowledge of proportional reasoning and dilations to develop a formal definition for similarity of figures. They apply their understanding of similarity to defining trigonometric ratios and radian measure. Students also make algebraic connections as they use coordinate algebra to verify properties of figures in the coordinate plane and write equations of parabolas and circles. Throughout the course, students investigate properties of figures, make conjectures, and prove theorems. Students demonstrate their reasoning by completing proofs in a variety of formats. The standards of mathematical practice are embedded throughout the course as students apply geometric concepts in modeling situations, make sense of problem situations, solve novel problems, reason abstractly, and think critically

Edgenuity Virtual Algebra 2 (A & B)(Full Year, 1 credit, grades 11-12, Prerequisite: Algebra 1 and Geometry)

This course focuses on the four critical areas of the Common Core model pathway for Algebra II: functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions, to solidify a foundation for learning these new functions. Students will make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies between the operations and field properties of real numbers and those of complex numbers and algebraic expressions. The Common Core practice standards are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically

Edgenuity Virtual Financial Math (A & B) (Full Year, 1 credit, grades 9-12, Prerequisite:None)

Connecting practical mathematical concepts to personal and business settings, this course offers informative and highly useful lessons that challenge students to gain a deeper understanding of financial math. Relevant, project-based learning activities cover stimulating topics such as personal financial planning, budgeting and wise spending, banking, paying taxes, the importance of insurance, long-term investing, buying a house, consumer loans, economic principles, traveling abroad, starting a business, and analyzing business data. Offered as a two-semester course for high school students, this course encourages mastery of math skill sets, including percentages, proportions, data analysis, linear systems, and exponential functions.

WORLD LANGUAGE

Edgenuity Virtual Spanish 1(A & B) (Full Year, 1 credit, grades 9-12, Prerequisite: None) Students begin their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters and represents an ideal blend of language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates “Avatar bucks”—by performing well on course tasks—to use to purchase items (clothing, gadgets, scenery, etc.) at the “Avatar store”. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Edgenuity Virtual Spanish 2(A & B)(Full Year, 1 credit, grades 10-12, Prerequisite: Spanish 1) Students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters and represents an ideal blend of language learning pedagogy and online learning. The course exemplifies a marriage of the best in language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates “Avatar bucks”—by performing well on course tasks—to use in order to purchase materials (clothing, gadgets, scenery, etc.) at the “Avatar store”. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Edgenuity Virtual Spanish 3 (A & B) (Full Year, 1 credit, grades 10-12, Prerequisite: Spanish 2) In this expanding engagement with Spanish, students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in Spanish, and respond orally or in writing to these works. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90- day semesters and represents an ideal blend of language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates “Avatar bucks”—by performing well on course tasks—to use in order to purchase items (virtual clothing, gadgets, scenery, etc.) at the “Avatar store”. Continuing the pattern, and building on what students encountered in the first two years, each week consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

PE/HEALTH

Edgenuity Virtual Lifetime Fitness (semester course, ½ credit, grades 9-12, Prerequisite: None)

Exploring fitness topics such as safe exercise and injury prevention, nutrition and weight management, consumer product evaluation, and stress management, this course equips high school students with the skills they need to achieve lifetime fitness. Throughout this one-semester course, students assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition. Personal fitness assessments encourage students to design a fitness program to meet their individual fitness goals.

Edgenuity Virtual Contemporary Health (semester course, ½ credit, grade 10, Prerequisite: None)

This semester-long course designed for high school students examines and analyzes various health topics. It places alcohol use, drug use, physical fitness, healthy relationships, disease prevention, relationships, and mental health in the context of the importance of creating a healthy lifestyle. Throughout the course, students examine the practices and plans they can implement in order to carry out a healthy lifestyle, and the consequences they can face if they do not follow safe health practices. In addition, students conduct in-depth studies in order to create mentally and emotionally healthy relationships with peers and family, and to devise healthy nutrition, sleeping, and physical fitness plans. Students also examine and analyze harassment and bullying laws. The Contemporary Health course does cover sensitive topics such as sexual intercourse, contraception, sex and gender, pregnancy, sexual harassment, physical violence, emotional abuse, sexually transmitted infections, and substance use and abuse.

Virtual Band/Choir 6-12th Grade

The purpose of virtual band/choir for the 2020-2021 school year to will be to help students maintain and improve their individual musical skills, as well as keep them up to date on the music, concepts and skills are happening in the face to face ensembles, so that when there is an opportunity to come back to school, they will be ready to jump back into band and/or choir.

Students will be given an individualized curriculum, designed to meet them where they are at and take them to the next level. Individualized curriculum, logins, materials, etc. will be set up by agreement between Ms. Gardner and the student/parent(s) by the end of the first week of school.

Students will have the opportunity to participate in performances when available (the status of performances is unknown at this time) so as to still be able to be part of the group and enjoy the performance/extra-curricular aspects of these performing ensembles.

Obviously, the virtual option will look different than participating in face to face band and choir, but the idea is to keep students connected to their musicianship and their classmates as much as possible!

Questions can be directed to Ms. Gardner via email: jessica.gardner@pineriver.org or by calling the school and asking to be transferred to Ms. Gardner's voice mail.

ELECTIVES

Art History 1 (A & B)(VPA)

Foundation of Personal Wellness (A & B)

VPA) Introduction to Computer Science (A& B) (VPA)

Keyboarding and Applications (A & B)(VPA)

Mathematical Models with Apps. (A& B)

Modern World History(A & B)

Computer App, Office 2016 A & B(VPA)

Introduction to Art 1A/B 2 A/B (semester)

Sociology (semester course)

Personal (semester)

Human Geography

Mathematics I, II, III (A & B)

Pre-Algebra(A & B)
Expository Reading/Writing (A & B)
Environmental Science (A & B)
Trigonometry (Semester)

Introduction to Art 2 (sem)
Literacy & Comprehension II (A & B)
Precalculus (A & B)
Concepts in Probability and Stats (A & B)

****BUCK VIRTUAL ACADEMY/ONLINE COURSES****

These courses are the primary courses students will take if fully 100% online, if online is offered by Pine River Area Schools. Students taking two online courses per part of 5-0-C guidelines, may utilize these courses for credit.

MATHEMATICS ELECTIVES

Edgenuity Virtual Personal Financial Economics (semester, ½ credit, grades (9-12) Prereq. completion of Algebra 1) - This one-semester elective prepares students to navigate personal finance with confidence. The course opens with a study of what it means to be financially responsible, engaging students in budgeting, planning, and being a smart consumer. Students learn about the relationship between education, employment, income, and net worth, and they plan for the cost of college. Students then broaden their study to include banking, spending, investing, and other money management concepts before exploring credit and debt. In the final unit of the course, students study microeconomics and entrepreneurship, with an overview of economic systems, supply and demand, consumer behavior and incentives, and profit principles. The course concludes with an in-depth case study about starting a business

Edgenuity Virtual Precalculus A & B (Full year, 1 credit, grade 10-12, Prereq. (Completion of Algebra 2) - With an emphasis on function families and their representations, Precalculus is a thoughtful introduction to advanced studies leading to calculus. The course briefly reviews linear equations, inequalities, and systems and moves purposefully into the study of functions. Students then discover the nature of graphs and deepen their understanding of polynomial, rational, exponential, and logarithmic functions. Scaffolding rigorous content with clear instruction, the course leads students through an advanced study of trigonometric functions, matrices, and vectors.

Edgenuity Virtual Concepts of Statistics and Probability A & B (Full year, 1 credit, grade 9-12, Prereq. (Completion of Geometry): This year-long course is designed to provide students with a real-world understanding of the basic applications of probability and statistics. The course gives students methods for summarizing data, introduces students to mathematical models for random phenomena, and provides the tools for decision making under uncertainty. The course begins with an introduction to data collection, with a focus on sampling methods and study design. Students explore a variety of ways to analyze and understand collected data. Then students apply what they have learned to an in-depth study of data representation. Students investigate probability, including experimental and theoretical probability and probability with permutations and combinations. The course closes with an introduction to standard deviation and distributions.

Edgenuity Virtual Trigonometry (Semester, 0.5 credit, grades 11-12, Prereq. (Completion of Algebra 2): In this one-semester course, students use their geometry and algebra skills to begin their

study of trigonometry. Students will be required to express understanding using qualitative, quantitative, algebraic, and graphing skills. This course begins with a quick overview of right triangle relationships before introducing trigonometric functions and their applications. Students explore angles and radian measures, circular trigonometry and the unit circle. Students extend their understanding to trigonometric graphs, including the effects of translations and the inverses of trigonometric functions. This leads to the Laws of Sines and Cosines, followed by an in-depth exploration of trigonometric identities and applications. The course ends with an introduction to the polar coordinate system, complex numbers, and DeMoivre's Theorem.

Edgenuity Virtual Mathematical Models with Applications A & B (Full year, 1 credit, grades 10-12, Preq. (Completion of Algebra 1): Broadening and extending the mathematical knowledge and skills acquired in Algebra I, the primary purpose of this course is to use mathematics as a tool to model real-world phenomena students may encounter daily, such as finance and exponential models. Engaging lessons cover financial topics, including growth, smart money, saving, and installment loan models. Providing timely and highly useful content, this two-semester course is a must-have for any high school student. Prior mathematical knowledge is expanded and new knowledge and techniques are developed through real-world application of useful mathematical concepts.

Edgenuity Virtual Pre-Algebra A & B (Full year, 1 credit, grade 9, Prereq. (Grade 8 Math): This full-year course is designed for students who have completed a middle school mathematics sequence but are not yet Algebra-ready. This course reviews key algebra readiness skills from the middle grades and introduces basic Algebra I work with appropriate support. Students revisit concepts in number and operations, expressions and equations, ratio and proportion, and basic functions. By the end of the course, students are ready to begin a more formal high school Algebra I study.

Edgenuity Virtual Mathematics I A & B (Full year, 1 credit, grade 9-12, Prereq. (Grade 8 Math) This course formalizes and extends middle-school mathematics, deepening their understanding of linear relationships. The course begins with a review of relationships between quantities, building from unit conversion to a study of expressions, equations, and inequalities. Students contrast linear and exponential relationships, including a study of sequences, as well as applications such as growth and decay. Students review one-, two-, and multi-step equations, formally reasoning about each step using properties of equality. Students extend this reasoning to systems of linear equations. Students use descriptive statistics to analyze data before turning their attention to transformations and the relationship between Algebra and Geometry on the coordinate plane.

Edgenuity Virtual Mathematics IIA & B (Full year, 1 credit, grade 9-12, Prereq. (Algebra 1 or Edgenuity Math I) This course begins with a brief exploration of radicals and polynomials before delving into quadratic expressions, equations, and functions, including a derivation of the quadratic formula. Students then embark on a deep study of the applications of probability and develop advanced reasoning skills with a study of similarity, congruence, and proofs of mathematical theorems. Students explore right triangles with an introduction to right triangle trigonometry before turning their attention into the geometry of circles and making informal arguments to derive formulas for the volumes of various solids.

Edgenuity Virtual Mathematics III A & B (Full year, 1 credit, grade 9-12, Prereq. (Geometry or Edgenuity Math I and II)

This course synthesizes previous mathematical learning in four focused areas of instruction. First, students relate visual displays and summary statistics to various types of data and to probability

distributions with a focus on drawing conclusions from the data. Then, students embark on an in-depth study of polynomial, rational, and radical functions, drawing on concepts of integers and number properties to understand polynomial operations and the combination of functions through operations. This section of instruction builds to the Fundamental Theorem of Algebra. Students then expand the study of right-triangle trigonometry they began in Mathematics II to include non-right triangles, developing the Laws of Sines and Cosines. Finally, students model an array of real-world situations with all the types of functions they have studied, including work with logarithms to solve exponential equations. As they synthesize and generalize what they have learned about a variety of function families, students appreciate the usefulness and relevance of mathematics in the real world

SCIENCE ELECTIVES

Edgenuity Virtual Environmental Science A & B (Full year, 1 credit, grades 10-12, Prereq. (Physical Science): Environmental science is a captivating and rapidly expanding field, and this two-semester course offers compelling lessons that cover many different aspects of the field: ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Through unique activities and material, high school students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery in each of the segments throughout the semester. This course could be used to fulfill third year science credit in coordination with counselor approval

HISTORY ELECTIVES

Edgenuity Virtual Modern World History A & B (Full year, 1 credit, grade 10 -12, Prereq. (None))This year-long course examines the major events and turning points of world history from the Enlightenment to the present. Students investigate the foundational ideas that shaped the modern world in the Middle East, Africa, Europe, Asia, and the Americas, and then explore the economic, political, and social revolutions that have transformed human history. This rigorous study of modern history examines recurring themes, such as social history, democratic government, and the relationship between history and the arts, allowing students to draw connections between the past and the present, across cultures, and among multiple perspectives.

Edgenuity Virtual Human Geography A & B (Full year, 1 credit, grades 9-12, Prereq.: None) Examining current global issues that impact our world today, this course takes a thematic approach to understanding the development of human systems, human understanding of the world, and human social organization. Divided into two semesters, this high school-level course will challenge students to develop geographic skills, including learning to interpret maps, analyze data, and compare theories. Offering interactive content that will grow students' understanding of the development of modern civilization and human systems—from the agricultural revolution to the technological revolution—this course encourages students to analyze economic trends as well as comparing global markets and urban environments.

ENGLISH ELECTIVES

Edgenuity Virtual Expository Reading and Writing A & B (Full year, 1 credit, grades 11-12, Prereq.: English 10) This elective English course is designed to develop critical reading and writing skills while preparing high school students to meet the demands of college-level work. While students will explore some critical reading skills in fiction, poetry, and drama the focus of this course will be on

expository and persuasive texts and the analytical reading skills that are necessary for college success. Students will read a range of short but complex texts, including works by Walt Whitman, Abraham Lincoln, Cesar Chavez, Martin Luther King Jr., Langston Hughes, Julia Alvarez, Edna St. Vincent Millay, and Gary Soto.

Edgenuity Virtual Literacy & Comprehension II A & B (Full year, 1 credit, grades 9-12, Prereq.: None) Offering high-interest topics to motivate students who are reading two to three levels below grade, this course works in conjunction with Literacy and Comprehension I to use a thematic and contemporary approach to expose students to effective instructional principles using diverse content area and real world texts. Presented as two one-semester reading-intervention courses, both offer an engaging, technology-based interface that inspires and challenges high school and middle school students to gain knowledge and proficiency in the following comprehension strategies: summarizing, questioning, previewing and predicting, recognizing text structure, visualizing, making inferences, and monitoring understanding with metacognition. Aimed at improving fluency and vocabulary, self-evaluation strategies built into these courses inspire students to take control of their learning.

HIGH SCHOOL ELECTIVES

The following Edgenuity courses can only be completed via Edgenuity Platform for elective credit. Courses that have a plus sign (+) next to them also indicated these courses as satisfying a visual performance are requirement (VPA)

Edgenuity Virtual Sociology (Semester, 0.5 credit, grades 11-12, Prereq.: None) Providing insight into the human dynamics of our diverse society, this is an engaging one-semester course that delves into the fundamental concepts of sociology. This interactive course, designed for high school students, covers cultural diversity and conformity, basic structures of society, individuals and socialization, stages of human development as they relate to sociology, deviance from social norms, social stratification, racial and ethnic interactions, gender roles, family structure, the economic and political aspects of sociology, the sociology of public institutions, and collective human behavior, both historically and in modern times.

Edgenuity Virtual Foundations of Personal Wellness A & B: (Full year, 1 credit, grades 9-12, Prereq: None) Exploring a combination of health and fitness concepts, this comprehensive and cohesive course explores all aspects of wellness. Offered as a two-semester course designed for high school students, coursework uses pedagogical planning to ensure that students explore fitness and physical health and encourages students to learn about the nature of social interactions and how to plan a healthy lifestyle

Edgenuity Virtual Strategies for Academic Success: (Semester, 0.5 credit, grades 9-12, Prereq.: None) Offering a comprehensive analysis of different types of motivation, study habits, and learning styles, this one-semester course encourages high school and middle school students to take control of their learning by exploring varying strategies for success. Providing engaging lessons that will help students identify what works best for them individually, this one-semester course covers important study skills, such as strategies for taking high-quality notes, memorization techniques, test-taking strategies, benefits of visual aids, and reading techniques.

(+)Edgenuity Virtual Introduction to Art 1 A & B : (semester Each , 0.5 credit, grades 9-12, Prereq.: None) Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an

engaging format, this one-semester course provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400. Art 1 will have an emphasis on the following units: Art Appreciation - Art Defined, Art Appreciation-Visual Arts, Art Appreciation-The Principles -Language of Art, and Art Appreciation-Two Dimensional Art

(+)Edgenuity Virtual Introduction to Art 2 A& B (Semester Each, 0.5 credit, grades 9-12, Prereq.: None) *Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, this one-semester course provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400. Art 2 will have an emphasis on the following units: Art Appreciation-Photography, Film, Video, and Digital Imagery, Art Appreciation-Three Dimensional Media, and Art History - Prehistoric and Ancient Art.*

(+) Edgenuity Virtual Art History I A & B : (Full year, 1 credit, grades 9-12, Prereq.: None) *Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this one-semester course will cover topics including early Medieval and Romanesque art; art in the 12th, 13th, and 14th centuries; 15th-century art in Europe; 16th-century art in Italy; the master artists; high Renaissance and Baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; 18th- and 19th-century art in Europe and the Americas; and modern art in Europe and the Americas. Fulfills VPA requirement.*

(+) Edgenuity Virtual Computer Applications: Office 2016 A & B (Full year, 1 credit, grades 9-12, Prereq.: None) *This two-semester course introduces students to the features and functionality of the most widely-used productivity software in the world: Microsoft® Office®. Through video instruction, interactive skills demonstrations, and hands-on practice assignments, students learn to develop, edit and share Office® 2010 documents for both personal and professional use. By the end of this course, students will have developed basic proficiency in the most common tools and features of the Microsoft Office 2010 suite of applications: Word®, Excel®, PowerPoint® , and Outlook® .*

(+) Edgenuity Virtual Introduction to Computer Science A & B (Full year, 1 credit, grades 9-12, Preq.: None) *Computer Science introduces students to the basics of computer science through a series of Python® programming projects that encourage creativity and experimentation. Students create a diverse portfolio of projects as they learn commands and functions, values and variables, Graphical User Interface, modular and object-oriented programming, and events and event-driven processes. Students learn loops, debugging techniques and software development processes including iterative and incremental models. Students explore careers in programming, including profiles from a wide variety of programming professionals.*

(+) Edgenuity Virtual Keyboarding and Applications A & B (Full year, 1 credit, grades 9-12, Prereq.: None): Keyboarding and Applications is a semester-long elective that teaches students keyboarding skills, technical skills, effective communication skills, and productive work habits. In this course, students will learn about proper keyboarding technique. Once students have been introduced to keyboarding skills, lessons will include daily practice of those skills. Students will gain an understanding of computer hardware, operating systems, file management, and the Internet. In addition, they will apply their keyboarding skills and create a variety of business documents, including word processing documents and electronic presentations.

GRADE 8 ELECTIVES

Edgenuity Virtual Literacy and Comprehension 8 A & B (Full year, grade 8): Literacy and Comprehension I is one of two semester-long intervention courses designed to support the development of strategic reading and writing skills. These courses use a thematic and contemporary approach, including high-interest topics to motivate students and expose them to effective instructional principles using diverse content areas and real-world texts. Both courses offer an engaging technology based interface that inspires and challenges students to gain knowledge and proficiency in the following comprehension strategies: summarizing, questioning, previewing and predicting, recognizing text structure, visualizing, making inferences, and monitoring understanding with metacognition. Aimed at improving fluency and vocabulary, self-evaluation strategies built into these courses inspire students to take control of their learning. Students in grade 8 will focus on three units of study: Mystery Illnesses Through the Ages, Ancient and Modern Myths Uncovered, and The Challenge- Transportation.

Edgenuity Virtual Healthy Living 8 A & B (Full year, grade 8): Encouraging students to make responsible, respectful, informed, and capable decisions about topics that affect the well-being of themselves and others, this course is a one year course that provides students with comprehensive information they can use to develop healthy attitudes and behavior patterns. This informative and engaging course encourages students to recognize that they have the power to choose healthy behaviors to reduce risks. The course is offered to grades 6- 8. In grade 8, students will learn about growth/development, tobacco/alcohol/drugs, and disease/disorders.

Edgenuity Virtual Middle School Spanish I A & B (Full year, grade 8): Students begin their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters and represents an ideal blend of language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates “Avatar bucks”—by performing well on course tasks—to use in order to purchase items (clothing, gadgets, scenery, etc.) at the “Avatar store”. Each Unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). **Students that complete both semesters with a passing grade will earn one high school world language credit.**