

# English



## FOUR-YEAR PLANNING FOR ENGLISH

The required and elective courses that students may select to fulfill their English requirements are listed below.

### Graduation Requirements

|  |   |
|--|---|
| 9 <sup>th</sup> Grade                    | Core I  |
| 10 <sup>th</sup> Grade                   | Core II   |
| 11 <sup>th</sup> /12 <sup>th</sup> Grade | Any combination of two or more of the following:<br>American Literature<br>Creative Writing<br>Speech<br>Drama 2<br>Multi-Cultural Literature |

### College-Bound Recommendations

|  |  |
|--|--|
| 9 <sup>th</sup> Grade                    | Core I   |
| 10 <sup>th</sup> Grade                   | Core II  |
| 11 <sup>th</sup> Grade                   | One or more of the following:<br>American Literature<br>Creative Writing<br>Speech<br>Drama 2<br>Multi-Cultural Literature |
| 11 <sup>th</sup> /12 <sup>th</sup> Grade | AP Language and Composition<br>AP Literature and Composition   |

### **AMERICAN LITERATURE (E)**

**Grade Level: 11/12**

*Prerequisite:* Junior status and two prior English credits

*Length:* 1 semesters (1 credit)

*Description:* Students will read 3-4 novels written by American authors from a variety of time periods, plus two novels of their own choice. For the assigned reading, students will keep a log as they read to assist with discussion. Vocabulary is key to strong reading, so it will be incorporated into the class. Discussion will be a main basis for sharing thoughts about the reading, but a variety of activities will also be used to further understanding. Student comprehension and thinking will be assessed through essays and in-depth projects at the end of each assigned novel.

### **AP LANGUAGE AND COMPOSITION (E)**

**Grade Level: 11/12**

*Prerequisite:* Junior status and a grades of "B" or higher in previous English courses strongly recommended.

*Length:* 1 semester (1 credit)

*Description:* The focus of the AP Language and Composition course is the study of rhetoric and its link to the humanities, in preparation for collegiate classes. Students will study and analyze argument predominantly through written non-fiction works, but also through modern media and visual art as well. Students will demonstrate their knowledge through class discussion and through various writing assignments. College credit can be earned by taking and passing the AP Exam. Due to the college-preparatory nature of this course, students should be proficient readers and writers.

### **AP LITERATURE AND COMPOSITION (E)**

**Grade Level: 11/12**

*Prerequisite:* Junior status and a grades of "B" or higher in previous English courses strongly recommended.

*Length:* 1 semester (1 credit)

*Description:* The focus of the AP Literature and Composition course is to analyze and appreciate literary works, and understand how literature sculpts and is sculpted by the society in which we live. Students study American and British canonical works, both modern and classical. Through this critical and comprehensive study, students develop a deeper understanding of literature's influence on culture and through literature, gain insight on the human condition. Students will demonstrate their knowledge through class discussion and through various writing assignments. College credit can be earned by taking and passing the AP Exam. Due to the college-preparatory nature of this course, students should be proficient readers and writers.

**CORE I ENGLISH (E)****Grade Level: 9***Length:* 1 semester (1 credit)*Description:* This class will introduce the student to the basics of English. Curriculum includes literature, composition, and public speaking. Students will read short stories, poems and plays. Students will use the writing process, including prewriting, multiple drafts, and editing, to write multiple essays. Reading skills are emphasized, while spelling, punctuation, and vocabulary are also covered.**CORE II ENGLISH (E)****Grade Level: 10***Prerequisite:* Core I*Length:* 1 semester (1 credit)*Description:* This class continues with the basic skills introduced in Core 1. Curriculum includes literature, composition, and public speaking with an emphasis on WASL skills. Students will read poetry, short stories, and plays, and will write in a variety of formats, including an in-depth research paper. Writing will be the focus. Specific skills include utilizing the writing process, along with sentence structure, spelling, punctuation, and vocabulary.**CREATIVE WRITING (E)****Grade Level: 11, 12***Prerequisite:* Junior status and two prior English credits*Length:* 1 semester (1 credit)*Description:* The goal of this course is to acquaint students with the basic tools for writing short stories, poems, and plays. Student work will be read and critiqued by students in the class and by the instructor. Each paper will require multiple drafts to be accepted for a grade.**DRAMA 2 (E, FA)****Grade Level: 11, 12***Prerequisite:* Drama 1, English Core I and Core II*Length:* 1 semester (1 credit)*Description:* Drama 2 runs simultaneously with Drama 1 and is open to students who have completed Drama 1 and English Core 1 and 2. Along with the elements of Drama 1, students will work on an audition portfolio using classical and contemporary material. They will also write and produce a short one-act play. This class may be taken one time for English credit.**ENGLISH LANGUAGE LEARNERS (ELL) (E)****Grade Level: 9 - 12***Length:* 1 semester (1 credit)*Description:* Rochester School District offers services to students (K-12) who need additional help to function educationally in the English language. The English Language Learner program is funded by the state and may vary in structure as students' needs change.**MULTI-CULTURAL LITERATURE (E)****Grade Level: 11***Prerequisite:* Junior status and two prior English credits*Length:* 1 semester (1 credit)*Description:* Students will read 3-4 assigned novels written by and about cultures represented in our student population, such as Native American, plus two novels of their own choice. For the assigned reading, students will keep a log as they read to assist with discussion. Vocabulary is key to strong reading, so it will be incorporated into the class. Discussion will be a main basis for sharing thoughts about the reading, but a variety of activities will also be used to further understanding. Student comprehension and thinking will be assessed through essays and in-depth projects at the end of each assigned novel.

## **SPEECH (E)**

**Grade Level: 11**

*Prerequisite:* Junior status and two prior English credits

*Length:* 1 semester (1 credit)

*Description:* This class covers methods that make public speakers effective, with an introduction to debate. Students generate discussion and debate topics, discuss the approach for a variety of audiences, and prepare speeches for a multitude of settings. We combine information about effective speaking elements, such as voice and body language, with information about effective content to include in a wide array of speeches

# Fine Arts



## **ADVANCED ART (FA)**

**Grade Level: 9, 10, 11, 12**

*Prerequisite:* Intro to Art (grade B or better)

*Length:* 1 semester (1 credit)

*Studio Fee:* \$10.00

*Description:* Advanced Art I is a course of study offered to students who have successfully completed Introduction To Art with a final grade of B or better. The course includes an in-depth approach to the fine art disciplines of painting and drawing as well as mediums chosen by the instructor that reflect specific need of the class population. Visual literacy, art appreciation, art history, color theory, elements and principles of design, and good craftsmanship will be heavily emphasized throughout. Students will work in a studio environment supplemented with demonstrations, lecture and individualized instruction.

## **ADVANCED ART II (FA)**

**Grade Level: 10, 11, 12**

*Prerequisite:* Advance Art I (grade A) with Instructor Approval

*Length:* 1 semester (1 credit)

*Studio Fee:* \$10.00

*Description:* Advanced Art II offers students a course tailored to the specific strengths and weaknesses of the student as an individual artist and learner. Students will have the opportunity to select a medium to focus on entirely or develop skills in a variety of mediums. Lessons will be based on the refinement of skills and expression with clear development a personal visual stylistic vocabulary. All items will be produced with the intention of presentation with-in a portfolio

## **ADVANCED CERAMICS (FA)**

**Grade Level: 9, 10, 11, 12**

*Prerequisite:* Intro to Ceramics (Grade B or better)

*Length:* 1 semester (1 credit)

*Studio Fee:* \$10.00

*Description:* In ADVANCED CERAMICS students will learn advanced hand building and glazing techniques. There will be an emphasis on the study of the principles and elements of design through the medium of low-fire clay.

## **ADVANCED CERAMICS II (FA)**

**Grade Level: 10, 11, 12**

*Prerequisite:* Intro to Ceramics (Grade B or better)

*Length:* 1 semester (1 credit)

*Studio Fee:* \$10.00

*Description:* This class offers students who have completed Advanced Ceramics I and wish to further pursue in-depth study in ceramics. Students will be assigned lessons based on improvement of individual student strengths and elimination of individual student weaknesses. Complex projects will be challenging and rewarding of student diligence. Completed projects will be exhibited in various local and regional shows and contests.

**HOME ARTS (FA)****Grade Level: 9, 10, 11, 12***Prerequisite:* None*Length:* 1 semesters (1.0 credit)*Studio Fee:* \$10.00*Description:* The main focus of this fine arts class is on making altered books and a variety of other paper crafts including origami. Students will also design and embroider a cross-stitch motif and make it into a small pillow using a sewing machine. Through the assigned projects students will learn the principles and elements of design. Recycling home products is encouraged. Students learn to constructively evaluate their own projects.**INTRODUCTION TO ART (FA)****Grade Level: 9, 10, 11, 12***Prerequisite:* None*Length:* 1 semester (1 credit)*Studio Fee:* \$10.00*Description:* This course is an introductory course in which students develop an awareness and appreciation for a wide variety of mediums in the visual arts with a production emphasis on quality over quantity. Fundamentals of drawing, painting, design, sculpture, color theory, and arts appreciation, visual literacy, etc., are primary focus. Through engaging projects students will develop a working understanding of each of the elements and principles of design. Students learn to create and express themselves visually using a variety of materials and processes. If time permits there may be a unit on Ceramics.**INTRODUCTION TO CERAMICS (FA)****Grade Level: 9, 10, 11, 12***Prerequisite:* None*Length:* 1 semester (1 credit)*Studio Fee:* \$10.00*Description:* This course utilizes the elements and principles of design in the construction of functional and decorative objects using the medium of low-fire clay. Students use the study of line, value, color, shape and form, texture, and space relationships to create three-dimensional ceramic structures. Students will learn various hand-building clay techniques as well as have the opportunity to learn the basics of the pottery wheel. INTRODUCTION TO CERAMICS places great emphasis on student development of visual self-expression, refinement, and demonstration of challenging significant quality work. Projects may include: ceramic lamps, clocks, serving sets.**VISUAL ARTS COLLEGE PORTFOLIO PREPARATION (FA)****Grade Level: 10, 11, 12***Prerequisite:* Grade B or better in any two art classes with instructor approval*Length:* 1 semester (1 credit)*Studio Fee:* \$10.00*Description:* This class is for those students seriously interested in pursuing post-secondary study in visual arts related career fields. Over the course of this class students will complete several major finished pieces of artwork for use in the compilation of a presentation portfolio. Students will have the opportunity to discover and evolve their personal visual arts vocabulary of form as well as to showcase their talents and achievements

## Music/Drama

**ADVANCED CHOIR EXPERIENCE (FA)****Grade Level: 9, 10, 11, 12***Prerequisite:* Initial Choir Experience*Length:* 1 semester (1 credit)*Description:* ACE is for those students who have completed ICE or audition into the ensemble. Students will continue the study of choral performance, music theory as it applies to choral singing, vocal technique, and music history. There will be additional performances for this ensemble beyond the regular community-scheduled concerts. Students will sing a wide variety of music. This class is offered in the first term.

## **ADVANCED DRAMA I (FA)**

**Grade Level: 9, 10, 11, 12**

*Prerequisite:* Drama I  
*Length:* 1 semester (1 credit)  
*Description:* In addition to the content of Drama 1, the Advanced Drama 1 students will prepare an audition portfolio and study improvisational theater as a performance medium.

## **BAND (FA)**

**Grade Level: 9, 10, 11, 12**

*Prerequisite:* None  
*Length:* 1 semester (1 credit)  
*Description:* Concert Band and Pep Band are the performance areas of the instrumental section of the music department. The Pep Band performs at football and basketball games and encourages crowd participation. The Concert Band is the main focus of performance—with the band participating at contests, massed band festival, touring, trips, and concerts throughout the year. Individual skills on an instrument are improved and everyone learns how to pull together toward a common goal.

## **CONCERT CHOIR (FA)**

**Grade Level: 9, 10, 11, 12**

*Prerequisite:* ICE  
*Length:* 1 semester (1 credit)  
*Description:* Concert choir accepts students who have completed one term of ICE or passed an interview/audition with the director. Students are trained in vocal techniques and musicianship skills. They perform both accompanied and a cappella works from the Renaissance period to the present. They will have the opportunity to work in small ensembles and sing solos at their own levels of expertise. This class is offered second term.

## **DRAMA I (FA)**

**Grade Level: 9, 10, 11, 12**

*Prerequisite:* None  
*Length:* 1 semester (1 credit)  
*Description:* Students learn the art of improvisational theater, pantomime, and acting. The class is highly participatory. It enables the student to explore his or her talents in this performance medium. The concluding project is the performance of a play. This class may be taken multiple times.

## **DRAMA II (FA, E)**

**Grade Level: 11, 12**

*Prerequisite:* Drama I, English Core I and Core II  
*Length:* 1 semester (1 credit)  
*Description:* Drama 2 runs simultaneously with Drama 1 and is open to students who have completed Drama 1 and English Core 1 and 2. Along with the elements of Drama 1, students will work on an audition portfolio using classical and contemporary material. They will also write and produce a short one-act play. This class may be taken more than once, but only one time for English credit.

## **INITIAL CHOIR EXPERIENCE (FA)**

**Grade Level: 9, 10, 11, 12**

*Prerequisite:* None  
*Length:* 1 semester (1 credit)  
*Description:* ICE is intended for the beginning choir member. Students are trained in healthy vocal technique and musicianship skills that lead to the successful ensemble choral performance. Music sung will be both accompanied and a cappella works from the Renaissance period to the present. This class is offered in the first term.

**MUSIC THEORY (FA)**

**Grade Level: 11, 12**

*Prerequisite:*

*Length:* 1 semester (1 credit)

*Description:* In Music Theory students will gain knowledge of notation, scales, intervals, melody, harmony through computer-assisted programs, and class projects. They will receive and practice ear training and sight-singing. Very basic piano proficiency will be developed during the class. This class is offered simultaneously with Theater Tech during second term.

**THEATER TECH (FA)**

**Grade Level: 11, 12**

*Prerequisite:*

*Length:* 1 semester (1 credit)

*Description:* Theater Tech explores stagecraft, design, lighting, costumes and make-up. This class is responsible for the technical aspects of Drama 1, Drama 2, Advanced Drama productions, and extra curricular plays. This class will be offered during the second term simultaneously with Music Theory.

# Mathematics

## FOUR-YEAR PLANNING FOR MATH

Math is not restricted to any specific grade level. It is a sequential learning subject where mastery with an A, B, or C grade is required to continue to the next level. Students must complete a minimum of two (2) credits of math beyond Pre-Algebra to graduate.

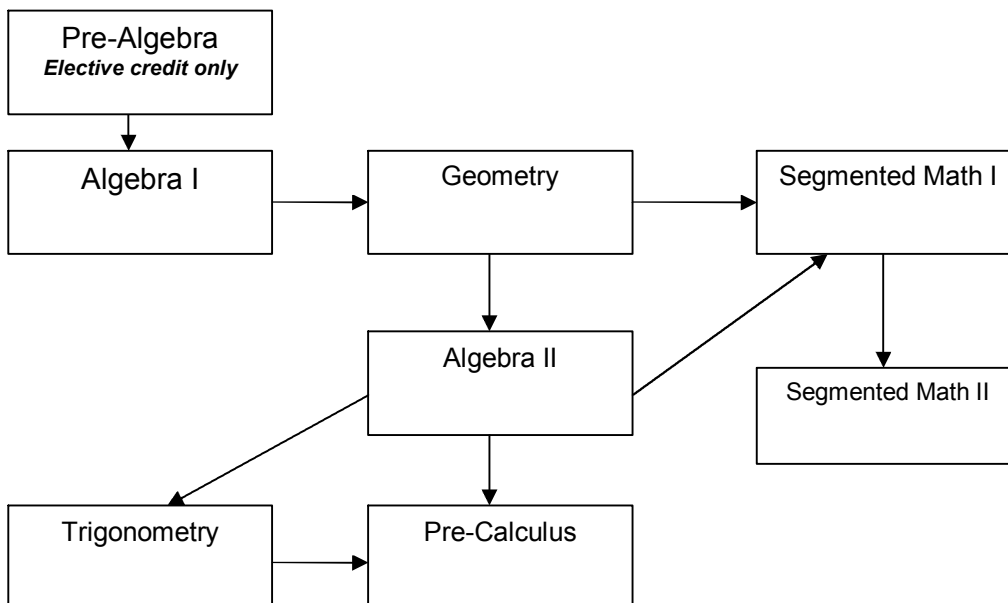
**Graduation Requirements**

|                        |                               |
|------------------------|-------------------------------|
| 9 <sup>th</sup> Grade  | Minimum 1 semester (1 credit) |
| 10 <sup>th</sup> Grade | Minimum 1 semester (1 credit) |

**College-Bound Recommendations**

|                        |                                       |
|------------------------|---------------------------------------|
| 9 <sup>th</sup> Grade  | 2 Semesters (credits)                 |
| 10 <sup>th</sup> Grade | 1 year (1 credit)                     |
| 11 <sup>th</sup> Grade | 1 year (1 credit)                     |
| 12 <sup>th</sup> Grade | Sr. Year Quantitative Course Required |

**Pathway for Classes Within the Mathematics Program**



**Mathematics**

**ALGEBRA 1A / 1B (M) Year long class**

**GRADE LEVEL: 9, 10, 11, 12**

*Prerequisite:* Pre-algebra (may be taken in the 8<sup>th</sup> grade)

*Length:* 1 semester (1 credit)

*Description:* This course will cover the same material as in Algebra 1. In addition, it will allow time to concentrate on WASL preparation with individual attention. All students who were unsuccessful on the 8<sup>th</sup> grade WASL may be encouraged to register for this class. This course requires two terms to complete. The first term will provide an elective credit and for the second term, a math credit will be earned.

**ALGEBRA I (M)**

**GRADE LEVEL: 9, 10, 11, 12**

*Prerequisite:* Grade of C or better in middle school Course 3 or Pre-algebra and teacher recommendation.

*Length:* 1 semester (1 credit)

*Description:* Algebra 1 extends mathematical operations, manipulations, and problem solving to a variable-rich setting. Students will study patterns, algebraic operations, algebraic equations, proportions, statistics, and probability. Topics will include an introduction to linear, quadratic, rational, exponential, and radical functions. Students also study inequalities, exponents, polynomials, factoring, and transformations.

**ALGEBRA II (M)**

**GRADE LEVEL: 10, 11, 12**

*Prerequisite:* Grade of C or better in Geometry (or equivalent) or instructor's approval.

*Length:* 1 semester (1 credit)

*Description:* An emphasis is placed on functions in Algebra 2. The types of functions discussed include linear, quadratic, exponential, logarithmic, inverse, polynomial, rational, and radical functions. Students also study matrices, sequence, and series. The probability and statistics topics include standard deviation, normal distributions, linear and quadratic regression, conditional probability and expected value. Topics from discrete mathematics include algorithms, finite graphs, and linear programming.

**GEOMETRY (M)**

**GRADE LEVEL: 10, 11, 12**

*Prerequisite:* Grade of C or better in Algebra I (or equivalent) or instructor's approval.

*Length:* 1 semester (1 credit)

*Description:* Geometry has a strong geometric/logical-reasoning strand that includes such topics as inductive and deductive reasoning; coordinate geometry in two and three dimensions, implications, arguments, postulates, and theorems. Students write two-column, paragraph, and flow proofs about similar and congruent triangles. Other topics include an introduction to trigonometry, special right triangles, perimeter, area, surface area, and volume.

**PRE-ALGEBRA (M)**

**GRADE LEVEL: 9, 10, 11, 12**

*Prerequisite:*

*Length:* 1 semester (1 credit)

*Description:* This course is intended for students who have good arithmetic skills, but need some additional preparation before taking Algebra 1. It focuses on operations with positive and negative numbers, fractions, decimals, and percents. Also included are techniques for solving word problems and an introduction to basic algebraic concepts. Upon completion of this class, one elective, not math, credit will be given.

**PRE-CALCULUS (M) GRADE LEVEL: 11, 12**

*Prerequisite:* Grade C or better in Algebra II or Trigonometry (or equivalent) or instructor's approval.

*Length:* 1 semester (1 credit)

*Description:* This is primarily a course in elementary functions that is designed to meet the needs of students who will be going on to take calculus in college. This course includes many of the same topics included in second year algebra, but in more depth and from a more sophisticated standpoint. Although many practical applications are included, the emphasis in the course is on theoretical development and intuitive understanding of functions.

**SEGMENTED MATH (M)****GRADE LEVEL: 11, 12**

*Prerequisite:* Credit in Algebra I (or equivalent) and Geometry and students must have made at least one unsuccessful attempt at passing the mathematics portion of the 10<sup>th</sup> grade WASL.

*Length:* 1 semester (1 credit)

*Description:* This course is designed for juniors and seniors who have met the RHS graduation requirements for mathematics, but have not yet passed the mathematics portion of the 10<sup>th</sup> grade WASL. To be eligible for graduation, students who do not pass the 10<sup>th</sup> grade WASL are required by the state to complete additional mathematics credits during their junior *and* senior year. This course provides students with the opportunity to earn one of these additional credits. Segmented Mathematics 1 is designed to help students acquire the Algebra and Geometry skills needed for future success on the WASL.

**TRIGONOMETRY (M)****GRADE LEVEL: 11, 12**

*Prerequisite:* Grade of C or better in Algebra 2 (or equivalent) or instructor's approval.

*Length:* 1 semester (1 credit)

*Description:* Topics covered in this course include the definitions of the trigonometric functions and their properties, graphs, triangle solutions, identities, equations, inverse functions, and complex numbers.



# Career & Technical Education Agriculture

**Courses in Agri-Science, Animal Science, Environmental Science and Horticulture are cross credited to meet science requirements.**

The Agriculture and Science Departments are working together to ensure that students are prepared for their future and the science portion of the WASL. In order to properly prepare students for the WASL, students will have to take a class from Tier 1 and a class from Tier 2. Tier 1 courses are taken during a student's 9<sup>th</sup> grade year and a Tier 2 course is taken during a student's 10<sup>th</sup> grade year, as long as the student received a passing grade for his/her Tier 1 science course. Beginning with the class of 2011, students must earn one credit from each tier and one additional science credit in order to meet minimum graduation requirements. Additional courses from either tier would be considered elective credits. Advanced courses cannot be taken until these prerequisites are met.

**TIER 1**

Environmental Science  
Physical Science

**TIER 2**

Biology  
Biological Agriscience

**AGRICULTURE CONSTRUCTION (CT)****Grade Level: 9, 10, 11, 12**

*Prerequisite:* Agriculture Mechanics I

*Length:* 1 semester (1 credit)

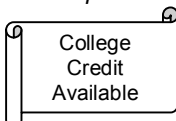
*Description:* Students will develop skills required to finish agriculture buildings, including electricity, foundation, plumbing, and concrete work. Safety, leadership, and career development will be incorporated throughout the course.

**AGRICULTURE MECHANICS I (CT)****Grade Level 9, 10, 11, 12**

*Prerequisite:* None

*Length:* 1 semester (1 credit)

*Description:* In this beginning course of agriculture mechanics, students learn Arc, Metal Inert Gas (MIG) and Oxygen-acetylene (Oxy-gas) welding in the flat position, gas and plasma cutting, tap and die metal work, plumbing proficiency consisting of black, copper and PVC pipe work, and designing and building their own projects. Safety, leadership, and career development are stressed throughout the course.



**AGRICULTURE MECHANICS II (CT)**

**Grade Level 10, 11, 12**

*Prerequisite:* Agriculture Mechanics I

*Length:* 1 semester (1 credit)

*Description* This is a secondary course in ag mechanics. Students continue to upgrade their skill by learning to Arc, MIG and Oxy-gas weld in the horizontal and vertical positions. Tungsten Inert Gas (TIG) welding is introduced as well as aluminum MIG welding. Project design and construction is required. Safety, leadership, and career development are stressed throughout the course.

College  
Credit  
Available

**AGRICULTURE MECHANICS III (CT)**

**Grade Level 11, 12**

*Prerequisite:* Agriculture Mechanics II

*Length:* 1 semester (1 credit)

*Description* Students continue to build their welding skills by completing projects in MIG, TIG and Arc welding in the overhead position. TIG projects in aluminum and stainless steel will be introduced. Development of shop projects is required. Safety, leadership, and career development are stressed throughout the course.

College  
Credit  
Available

**AGRICULTURE MECHANICS IV (CT)**

**Grade Level 11, 12**

*Prerequisite:* Agriculture Mechanics III

*Length:* 1 semester (1 credit)

*Description* This is a project class. All students will design and construct projects throughout the term.

Portfolio and job placement files will be developed. Safety, leadership, and career development are stressed throughout the course.

College  
Credit  
Available

**AQUACULTURE (CT, S)**

**Grade Level 10, 11, 12**

*Prerequisite:* Biology or Biological Agriscience

*Length:* 1 semester (1 credit)

*Description* This is a hands-on course providing the student with skills and knowledge to be gainfully employed in the aquaculture industry. Students will be raising and harvesting fish.

College  
Credit  
Available

**BIOLOGICAL AGRISCIENCE (CT, S)**

**Grade Level 10, 11, 12**

*Prerequisite:* Environmental or Physical Science

*Length:* 1 semester (1 credit)

*Description* This entry-level lab science course is the foundation for all other agriculture science courses. It provides an overview and background information in the areas of agriculture as a science, horticulture, natural resources, forestry, animal science, leadership development, agriculture career development, and FFA. Safety, leadership, and career development will be incorporated throughout the course.

**ENVIRONMENTAL SCIENCE (CT, S)**

**Grade Level 9, 10, 11, 12**

*Prerequisite:* None

*Length:* 1 semester (1 credit)

*Description* Environmental Science is the introductory course for the agriculture program at Rochester High School. This is a hands-on course designed for students to receive a lab science credit. The course includes topics such as leadership, communication, safety, FFA, math as a science, earth science, physical science, soil science, and chemistry.

**FLORICULTURE TECHNOLOGY (CT, S)**

**Grade Level 11, 12**

*Prerequisite:* Horticulture Technology

*Length:* 1 semester (1 credit)

*Description:* This is a hands on class for students who wish to continue their skill and knowledge of horticulture. Students will learn how to manage and operate a floral shop. Flower arrangements, corsages, holiday arrangements, etc. will be designed and constructed. Safety, leadership, and career development will be incorporated throughout the course.

**HORTICULTURE TECHNOLOGY (CT, S)**

**Grade Level 11, 12**

*Prerequisite:* Biology or Biological Agriscience

*Length:* 1 semester (1 credit)

*Description:* This is a course with lab time spent in the greenhouse. Students learn the scientific approach to raising a commercial floral crop. Skills and knowledge will be gained from actually growing various greenhouse crops. Safety, leadership, and career development will be incorporated throughout the course.

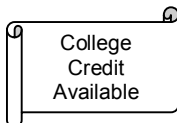
**NATURAL RESOURCES (CT, S)**

**Grade Level 11, 12**

*Prerequisite:* Biology or Biological Agriscience

*Length:* 1 semester (1 credit)

*Description:* This secondary course provides students with knowledge and skill in managing the environment that surrounds us. Field work in stream-side survey, aquatic animals, and watershed is required. Students will learn to use the scientific method to solve actual environmental problems. Safety, leadership, and career development will be incorporated throughout the course.



**NURSERY/LANDSCAPE TECHNOLOGY (CT)**

**Grade Level 11, 12**

*Prerequisite:* Horticulture Technology

*Length:* 1 semester (1 credit)

*Description:* This is an advanced horticulture class that will provide knowledge and skill for success in nursery management and/or landscape development. Students will manage and grow plants typically found in landscape. Landscape design and construction will be taught. Safety, leadership, and career development will be incorporated throughout the course.

**POWER MECHANICS (CT)**

**Grade Level 11, 12**

*Prerequisite:* Agriculture Mechanics I and junior status or teacher permission

*Length:* 1 semester (1 credit)

*Description:* This is an introductory course in engines and motors. Students will rebuild small gas engines, and learn to troubleshoot, repair, and maintain agriculture equipment. Servicing brakes and fuel systems, safety, leadership, and career development will be stressed.

**VETERINARY TECHNICIAN (CT)**

**Grade Level 11, 12**

*Prerequisite:* Biology or Biological Agriscience

*Length:* 1 semester (1 credit)

*Description:* This is an advanced animal science class that will provide students with the skills and knowledge to work in the animal care industry. Successful completion of this course will fulfill prerequisites needed to enroll in the Vet Tech program at New Market Vocational Skills Center.

**VOCATIONAL WOOD SHOP I (CT)**

**Grade Level 9, 10, 11, 12**

*Prerequisite:* None (Material Fee is determined by size of projects \$20 to \$150)

*Length:* 1 semester (1 credit)

*Description:* This is a basic woodworking class. Safety is taught for all of the equipment. Design and structure of each product is discussed, as well as drawn up. Required projects include a picture frame and a series of four wood joints. Three projects need to be designed and built beyond the required projects.

## VOCATIONAL WOOD SHOP II and III (CT)

**Grade Level 10, 11, 12**

*Prerequisite:* Vocational Shop I (Material Fee is determined by size of projects \$20 to \$150)

*Length:* 1 semester (1 credit)

*Description:* Students taking these classes already have had safety tests and designing of projects. These classes deal with more detail by working on larger or more complex projects.

# Career & Technical Education BUSINESS/MARKETING



It is the philosophy of the Business Education Department to make vocational business classes available to all students so that each will have the opportunity to graduate from high school with entry-level job skills. All business courses are one semester in length.

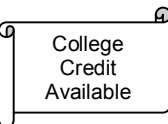
## ACCOUNTING I (CT)

**Grade Level: 10, 11, 12**

*Prerequisite:* None

*Length:* 1 semester (1 credit)

*Description:* This course offers instruction in the basic accounting cycle as it relates to service, manufacturing, and merchandising businesses organized as sole proprietorships, partnerships, or corporations. Students will learn generally accepted accounting concepts, principles, and terminology. Several computer simulation projects will be used during the class. Accounting is considered the language of business. Any student who is interested in working in business would benefit greatly from this course. Students are encouraged to develop and apply their business and leadership skills by becoming a member of FBLA (Future Business Leaders of America).



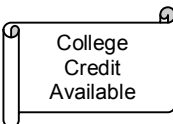
## ACCOUNTING II (CT)

**Grade Level: 11, 12**

*Prerequisite:* Accounting I (B or better)

*Length:* 1 semester (1 credit)

*Description:* This course offers instruction in the advanced cycle as it relates to service, manufacturing, and merchandising businesses organized as sole proprietorships, partnerships, or corporations. Student will learn generally accepted accounting concepts, principles and terminology. Several computer simulation projects will be used during the class. In addition, an Accounting Internship at the School District Office will be a part of this course. Students are encouraged to develop and apply their business and leadership skills by becoming a member of FBLA (Future Business Leaders of America).



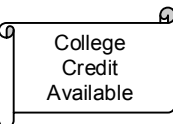
## COMPUTER APPLICATIONS I (CT)

**Grade Level: 9, 10, 11, 12**

*Prerequisite:* None

*Length:* 1 semester (1 credit)

*Description:* This is an introduction to Microsoft Office 2007 software. It will include the basic skills needed to type using proper keyboard techniques. Student will learn basic skills in Microsoft programs such as Word, Excel, Access, PowerPoint, and Publisher. They will also be introduced to Web Design using Dream Weaver. Students will use these programs to learn how to create and format letters, reports, tables, databases, flyers, slide presentations, and web pages. Some of the student's best works will be used to help them build their "Student Portfolios." Finally, the class will explore new technology including digital cameras, scanners, and voice recognition software. Students are encouraged to develop and apply their business and leadership skills by becoming a member of FBLA (Future Business Leaders of America).



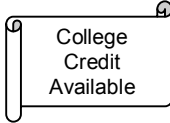
**COMPUTER APPLICATIONS II (CT)**

**Grade Level: 10, 11, 12**

*Prerequisite:* Computer Applications (C or better grade)

*Length:* 1 semester (1 credit)

*Description:* This is an introduction to Microsoft Office 2007 software. It will include the basic skills needed to type using proper keyboard techniques. Student will learn basic skills in Microsoft programs such as Word, Excel, Access, PowerPoint, and Publisher. They will also be introduced to Web Design using Dream Weaver. Students will use these programs to learn how to create and format letters, reports, tables, databases, flyers, slide presentations, and web pages. Some of the student's best works will be used to help them build their "Student Portfolios." Finally, the class will explore new technology including digital cameras, scanners, and voice recognition software. Students are encouraged to develop and apply their business and leadership skills by becoming a member of FBLA (Future Business Leaders of America).



**INTRODUCTION TO BUSINESS/ENTREPRENEURSHIP (CT)**

**Grade Level: 11, 12**

*Prerequisite:* None

*Length:* 1 semester (1 credit)

*Description:* This is an introductory course for students who are interested in a business career or owning their own business. Students will learn about the economy, owning and operating a business, developing a business plan, groups that affect business, marketing and financing. In addition, guest speakers will be scheduled to give the class first hand knowledge of a variety of businesses. Students are encouraged to develop and apply their business and leadership skills by becoming a member of FBLA (Future Business Leaders of America).

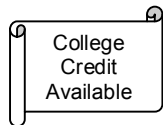
**MARKETING I (CT)**

**Grade Level: 10, 11, 12**

*Prerequisite:* None

*Length:* 1 semester (1 credit)

*Description:* This class is an introduction to Marketing. It will help student learn about careers and concepts in marketing. They will be able to utilize these concepts regardless of their future employment interests, and it will improve their chances of success in our free enterprise system. Areas which will be explored are leadership, pricing concepts, advertising and sales promotion, job safety, free enterprise starting student businesses in class and basic selling techniques. This class uses guest speakers and field trips to enhance the classroom climate. Students may participate in FBLA, offering conferences and competition across Washington State and leadership retreats. Students are encouraged to develop and apply their business and leadership skills by becoming a member of FBLA (Future Business Leaders of America).



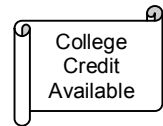
**MARKETING II (CT)**

**Grade Level: 10, 11, 12**

*Prerequisite:* Marketing I (C or better)

*Length:* 1 semester (1 credit)

*Description:* This marketing class will help prepare you for a successful career in the marketing and management. Students may select one of the following marketing areas to study: Sport & Marketing Entertainment, Travel & Tourism Marketing, and Retail Marketing. Topics covered are marketing and management, product management, pricing strategies, advertising and promotional management, sales management, industrial marketing management, international marketing, and starting your own business. The opportunity exists to compete in both beginning and advanced marketing projects for FBLA Regional, State, and National competition. Students are encouraged to develop and apply their business and leadership skills by becoming a member of FBLA (Future Business Leaders of America).



# CAREER & TECHNICAL EDUCATION

## Family and Consumer Science

### FAMILY AND CONSUMER SCIENCE

#### **EXPLORING CHILDHOOD (CT)**

**Grade Level: 9, 10, 11, 12**

*Prerequisite:* Personal Choices  
*Length:* 1 semester (1 credit)

*Description:* This course is designed to help students prepare for a career in early childhood education. Students will learn practical ways to guide children through a variety of daily experiences in safe, educational ways. Success in working with children begins by understanding them. Students will learn about the physical, intellectual, social, and emotional characteristics of young children. The required term project is to compile a file of activities appropriate for preschool age children. Opportunities will be provided for students to plan activities and work with preschoolers in a student developed preschool. Students will experience the responsibilities of parenting through a two-day simulation with "Baby Think It Over."

College  
Credit  
Available

#### **FOOD, NUTRITION AND WELLNESS (CT)**

**Grade Level: 10, 11, 12**

*Prerequisite:* Personal Choices  
*Length:* 1 semester (1 credit).

*Description:* In this class, students will learn food service practices used in the food service industry. Students will learn safety and sanitation principles, menu planning, cost control, preparations techniques and presentation. Students will evaluate their own food habits and form a plan to improve their own health. Students will research career options, develop a resume and complete a practice job interview.

#### **HOSPITALITY & TOURISM (CT)**

**Grade Level: 10, 11, 12**

*Prerequisite:* Application required  
*Length:* 1 semester (1 credit).

*Description:* This is a new class that will help you prepare for an exciting career in the hospitality and tourism industry! You will learn about the hospitality industry in general and then concentrate on the roles and responsibilities of various workers in restaurants and hotels, from chefs and servers to front desk agents and executive housekeepers. The basics of management and the business side of hospitality are covered including: human resources, marketing, safety procedures, and legal considerations. Students will build a career portfolio and earn a certificate of completion. Expect guest speakers, field trips and job shadowing as an integral part of the class. This would be a good class for students who already have a part-time job in a restaurant or hotel or who would like to obtain one.

College  
Credit  
Available

#### **PERSONAL CHOICES (CT)**

**Grade Level: 9, 10, 11,12**

*Prerequisite:* None  
*Length:* 1 semester (1 credit)

*Description:* This is a beginning level Family and Consumer Science class that covers topics in career selection and getting a job, managing limited resources, understanding and improving relationships with others, basics of cooking, the nutritional needs of individuals, and parenting skills.

Students participate in a wide variety of hands-on projects during the semester. Leadership is developed through Families, Careers and Community Leaders of America (FCCLA) and leadership projects within the school and community. To learn more about children, students experience the responsibilities of parenting by caring for a computerized baby for 48 hours. In a three-week simulation, the class becomes its own community where students get a job, find a place to live, keep a checkbook, and meet all the responsibilities of living on their own.

## **PRESCHOOL INTERN (CT)**

**Grade Level: 11, 12**

*Prerequisite:* Exploring Childhood and/or approval of instructor

*Length:* 1 year (1 credit).

*Description:* Interns will be working directly with Head Start and special services teachers to plan and carry out activities and lessons with the preschoolers. A list of competencies will be completed by the end of the term. Class credit may satisfy an articulation agreement with Centralia College upon completion of the internship.

# **HEALTH AND FITNESS**

## **HEALTH (PE)**

**Grade Level: 9, 10**

*Prerequisite:* None

*Length:* 1 semester (1 credit)

*Description:* The class is required for all students. The class fulfills one credit of the two credits required for graduation. The class is normally taken during the 9<sup>th</sup> grade year.

The purpose of the course is to provide students with the knowledge necessary to make informed personal health decisions. The students will gain knowledge in the following areas: health and wellness, peer relationships/social dynamics, decision making processes, stress, emotions, mental health, communicable and non-communicable diseases, first aid, tobacco, alcohol, illegal drugs, reproductive systems, HIV/AIDS, STD's, and current health happenings around the world.

## **INDIVIDUAL/DUAL/TEAM SPORTS (PE)**

**Grade Level: 9, 10, 11, 12**

*Prerequisite:* Must have passed Personal Fitness with a C or better or have permission of the instructor

*Length:* 1 semester (1 credit)

*Description:* The class is open to all 9<sup>th</sup> – 12<sup>th</sup> graders who have passed Personal Fitness. The class may be used to complete the 2<sup>nd</sup> required credit of Fitness for graduation purposes. The class may also be used as an elective. Students may take the class as often as desired.

The class involves active participation in a variety of lifetime activities, dual and team sports. An emphasis will be placed on personal improvement for sport-specific movements, and the development and monitoring of a personal fitness plan.

## **PERSONAL FITNESS (PE)**

**Grade Level: 9, 10**

*Prerequisite:* None

*Length:* 1 semester (1 credit)

*Description:* This is a required one-semester fitness and nutrition physical education program for high school freshmen. Students will discuss how to set and achieve personal fitness and nutrition goals, consider how "mental wellness" and a positive approach to life's stresses can improve well being, and how nutrition, weight control, and physical fitness contribute to "living life to the fullest."

## **WEIGHT TRAINING (PE)**

**Grade Level: 9, 10, 11, 12**

*Prerequisite:* Must have passed Personal Fitness with a C or better or have permission of the instructor

*Length:* 1 semester (1 credit)

*Description:* The class is open to all 9<sup>th</sup>-12<sup>th</sup> graders who have completed Personal Fitness. The class may be used to complete the 2<sup>nd</sup> required credit of Fitness for graduation purposes. The class may also be used as an elective. Students may take the class as often as desired.

Students will actively participate in a personal conditioning program with an emphasis on strength, agility and cardio-respiratory conditioning. Students will develop and monitor a personal fitness plan.

# SCIENCE

## FOUR-YEAR PLANNING FOR SCIENCE

Three credits of science, grades 9-12 are required for graduation. College admission generally requires at least one full credit of Biology, plus Chemistry, and/or Physics.

These are suggested courses of study. This is not intended to restrict your options.

### Graduation Requirements

|                        |   |
|------------------------|---|
| 9 <sup>th</sup> Grade  | 9 <sup>th</sup> Physical Science or Environmental Science   |
| 10 <sup>th</sup> Grade | Biology or Biological Agri-Science  |
| 11 <sup>th</sup> Grade | One of the following: Aquaculture, Horticulture, Natural Resources, Veterinary Tech, Floriculture, nursery/Landscape tech |
| 12 <sup>th</sup> Grade | Optional  |

### College-Bound Recommendations

|                        |   |
|------------------------|---|
| 9 <sup>th</sup> Grade  | 9 <sup>th</sup> Physical Science or Environmental Science |
| 10 <sup>th</sup> Grade | Biology or Biological Agri-Science                        |
| 11 <sup>th</sup> Grade | Chemistry   |
| 12 <sup>th</sup> Grade | Physics   |

### **AQUACULTURE (S, CT)**

**Grade Level 10, 11, 12**

*Prerequisite:* Biology or Biological Agriscience

*Length:* 1 semester (1 credit)

*Description:* This is a hands-on course providing the student with skills and knowledge to be gainfully employed in the aquaculture industry. Students will be raising and harvesting fish.

### **BIOLOGICAL AGRISCIENCE (S, CT)**

**Grade Level 10, 11, 12**

*Prerequisite:* Earth, Environmental or Physical Science

*Length:* 1 semester (1 credit)

*Description:* Biological Agriscience provides an overview and background information in the areas of agriculture such as a science, horticulture, natural resources, forestry, animal science, leadership development, agriculture career development, and FFA. Safety, leadership, and career development will be incorporated throughout the course.

### **BIOLOGY (S)**

**Grade Level 10, 11, 12**

*Prerequisite:* Earth, Environmental or Physical Science

*Length:* 1 semester (1 credit)

*Description:* This is a one-term science class emphasizing the "natural world." It concentrates on organic biochemistry, diversity, ecology, and taxonomy. The course is based on a pre-college syllabus and requires appropriate grade level reading skills and self-motivation. The class is taught on an advanced sophomore grade level.

### **CHEMISTRY (S)**

**Grade Level 11, 12**

*Prerequisite:* Biology or Biological Agriscience and Algebra II, with a grade of C or better in both. Algebra II or concurrent registration is recommended (or instructor permission)

*Length:* 1 semester (1 credit)

*Description:* This class includes the study of the elements and their inter-actions. This is a one term course based on the materials normally covered in a first term college chemistry class. The course includes lectures, outside readings, laboratories, homework, and exams. Areas of focus include properties of matter, chemical and physical change and reactions, energy transfer, quantum mechanics, and the bonding theory.

**ENVIRONMENTAL SCIENCE (S, CT)****Grade Level 9, 10, 11, 12***Prerequisite:* None*Length:* 1 semester (1 credit)*Description:* Environmental Science is the introductory course for the agriculture program at Rochester High School. This is a hands-on course designed for students to receive a lab science credit. The course includes topics such as leadership, communication, safety, FFA, math as a science, earth science, physical science, soil science, and chemistry.**FLORICULTURE TECHNOLOGY (S, CT)****Grade Level 10, 11, 12***Prerequisite:* Horticulture Technology*Length:* 1 semester (1 credit)*Description:* This is a hands-on class for students who wish to continue using their skills and knowledge of horticulture. Students will learn how to manage and operate a floral shop. Flower arrangements, corsages, holiday arrangements, etc. will be designed and constructed. Safety, leadership, and career development will be incorporated throughout the course.**HORTICULTURE TECHNOLOGY (S, CT)****Grade Level 10, 11, 12***Prerequisite:* Biology or Biological Agriscience*Length:* 1 semester (1 credit)*Description:* This is a course with lab time spent in the greenhouse. Students learn the scientific approach to raising a commercial floral crop. Skills and knowledge will be gained from actually growing various greenhouse crops. Safety, leadership, and career development will be incorporated throughout the course.**NURSERY / LANDSCAPE TECHNOLOGY (S, CT)****Grade Level 10, 11, 12***Prerequisite:* Horticulture Technology*Length:* 1 semester (1 credit)*Description:* This is an advanced horticulture class that will provide knowledge and skills for success in nursery management and/or landscape development. Students will manage and grow plants typically found in landscapes. Landscape design and construction will be taught. Safety, leadership, and career development will be incorporated throughout the course.**PHYSICAL SCIENCE (S)****Grade Level 9, 10, 11, 12***Prerequisite:* None*Length:* 1 semester (1 credit)*Description:* This is a one credit course emphasizing the physical aspects of nature. The key components covered in this class include basic physics, chemistry and earth sciences. The course is inquiry based with lots of hands on activities. Topics include methods of measurement, motion, forces and energy, Energy in motion, forms of energy, matter and earth materials, and interactions of matter.**NATURAL RESOURCES (S, CT)****Grade Level 10, 11, 12***Prerequisite:* Biology or Biological Agriscience*Length:* 1 semester (1 credit)*Description:* This course provides students with knowledge and skills in managing the environment that surrounds us. Field work in stream-side survey, aquatic animals, and watershed is required. Students will learn to use the scientific method to solve actual environmental problems. Safety, leadership, and career development will be incorporated throughout the course.

## PHYSICS (S)

**Grade Level 10, 11, 12**

*Prerequisite:* Algebra II and chemistry, both with a grade of C or better (or instructor permission)  
*Length:* 1 semester (1 credit)  
*Description:* This course deals with the study of physical phenomena in order to establish patterns and mathematical relationships, and it is taught at the community college level. It is designed to prepare students for a first term college course in freshman physics. Students will be expected to be fluent in algebraic concepts through Algebra 2, stoichiometry and trigonometry. Physics is laboratory oriented, accompanied with lecture and homework. Students will be expected to be self-sufficient, innovative, and motivated individuals. (P. S. It's fun, too!!)

## VETERINARY TECHNICIAN (S, CT)

**Grade Level 10, 11, 12**

*Prerequisite:* Biology or Biological Agriscience  
*Length:* 1 semester (1 credit)  
*Description:* This is an advanced animal science class that will provide students with the skills and knowledge to work in the animal care industry. Successful completion of this course will fulfill prerequisites needed to enroll in the Vet Tech program at New Market Vocational Skills Center.

# Social Studies

## FOUR-YEAR PLANNING FOR SOCIAL STUDIES

A student must earn 4.0 credits in Social Studies to graduate.

### Graduation Requirements

|                        |   |
|------------------------|---|
| 9 <sup>th</sup> Grade  | Cultural Geography/Civics (1 semester)      |
| 10 <sup>th</sup> Grade | World History (1 semester)                  |
| 11 <sup>th</sup> Grade | U.S. History (1 semester)                   |
| 12 <sup>th</sup> Grade | Current World Issues/Economics (1 semester) |

### College-Bound Recommendations

Same as graduation requirements, but Students are encouraged to take Advanced Placement classes when available.

\*\*All requires social studies courses include a classroom-based assessment (CBA). These state developed assessments measure a student's ability to effectively use social studies skills.

## AP HUMAN GEOGRAPHY (EL)

**Grade Level: 11, 12**

*Prerequisite:* Grade of B or better in a previous history class or permission from the instructor  
*Length:* 1 semester (1 credit)  
*Description:* The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences.

Since this is a college-level class, there will be a great deal of reading, class discussions, and writing. It is strongly suggested that students taking this class have already passed U. S. History. Students will have an opportunity to take the AP Human Geography test in the spring

## CONTEMPORARY WORLD ISSUES/ECONOMICS (SS)

Grade Level: 12

*Prerequisite:* Senior status

*Length:* 1 semester (1 credit)

*Description:* Contemporary World Issues/Economics is a state-required one-term course. CWI addresses the events of concern in the world today. Emphasis will be placed on the analysis of situations and the historical perspectives associated with the problems. A focus on twentieth century politics, geography, and economics is an important part of the study. Research is critical to understanding the issues discussed in the class. The CBA Constitutional Issues is a state requirement.

The economics portion of the class will introduce students to the basic tools of economics such as personal finance, supply and demand, and the major economic theories that will help students understand the principles of a market system. A mandatory CBA You and the Economy will be included in the student's graduation portfolio.

## CULTURAL GEOGRAPHY AND GOVERNMENT (SS)

Grade Level: 9

*Prerequisite:* Freshman status

*Length:* 1 semester (1 credit)

*Description:* Cultural Geography and Government is a required, one-term course. The class will compare the various cultures and governments of Latin America, Africa and Asia to those of the United States. The class will demonstrate the relationships between physical, economic and cultural geography and the history of the different global regions. Since a large portion of this class satisfies one of the state's social studies requirements that address civics education, the study of governmental types and their impact on the world today will be emphasized.

## PSYCHOLOGY (EL)

Grade Level: 11, 12

*Prerequisite:*

*Length:* 1 semester (1 credit)

*Description:* This social studies class will introduce issues that will be addressed in general psychology and sociology classes in most colleges. Psychology will deal with development of the individual personality and its related subjects. This class will be focusing on behavior and mental processes and how these processes are affected by an individual's physical state, mental state and/or external environment.

## STREET LAW (EL)

Grade Level: 11, 12

*Prerequisite:*

*Length:* 1 semester (1 credit)

*Description:* Street Law's approach to law-related education is to provide practical information and problem-solving opportunities that help students develop the knowledge and skills necessary for survival in our law-saturated society. The curriculum includes case studies, mock trials, role-plays, small group exercises, and opportunities for individuals to examine areas of special interest. Units covered include a general introduction to law, criminal law, juvenile justice, torts, consumer law, family law, and individual rights and liberties.

## UNITED STATES HISTORY (SS) (AP option available)

Grade Level: 11

*Prerequisite:* Junior status

*Length:* 1 semester (1 credit)

*Description:* United States History is a state-required one-term course. Students will become acquainted with, understand, and analyze the growth and development of the United States in its historical, political, and economic endeavors. The time period covered will be primarily between the Civil War and the 1980s. Since this class requires a major research project, successful completion of English Core 2 is strongly recommended.

## WORLD HISTORY (SS)

Grade Level: 10

*Prerequisite:* Sophomore status

*Length:* 1 semester (1 credit)

*Description:* World History is a required one-term course. This class takes a western civilization approach, covering the time periods beginning with the Renaissance and culminating with World War II.

This class satisfies one of the state's social studies requirements that address world history using a global approach that covers history, geography, economics and government.



# WORLD LANGUAGES

## SPANISH I (WL)

**Grade Level: 10, 11, 12**

*Prerequisite:* C or better in Core I English

*Length:* 1 semester (1 credit)

*Description:* Students will study the pronunciation of vowel and consonant sounds in Spanish. They will work to attain correct pronunciation. Conjugation of verbs will be introduced, using only the present tense. Selected readings will be translated from Spanish to English.

The study of Hispanic culture will be incorporated through cooking authentic recipes, reading fables, watching movies, and learning the histories of several Hispanic countries.

By the end of this course, students will be well-versed in the conjugation of verbs. They will be able to formulate simple sentences in Spanish. They will have an appreciation and understanding of Hispanic culture.

## SPANISH II (WL)

**Grade Level: 10, 11, 12**

*Prerequisite:* C or better in Spanish I, or permission of instructor

*Length:* 1 semester (1 credit)

*Description:* Students will review present tense and grammar covered in Spanish 1. They will strive to perfect their pronunciation. They will learn the preterite and imperfect verb tenses, as well as the imperative and subjunctive moods. Students will be able to appropriately apply the usage of these tenses.

The study of Hispanic culture will be incorporated into the curriculum through the reading of short stories, watching movies, acting out plays, listening to music, and cooking authentic recipes.

## SPANISH III (WL)

**Grade Level: 11, 12**

*Prerequisite:* C or better in Spanish II, or permission of instructor

*Length:* 1 semester (1 credit)

*Description:* Students will review tenses covered in Spanish 2. They will strive to improve and perfect their pronunciation and their spelling, as well as their verbal skills. They will learn more about the subjunctive mood and its applications, as well as the future and conditional tenses. Students will broaden their vocabulary.

Hispanic culture will be studied by reading short stories in the target language, making authentic crafts, cooking recipes, and watching movies.

# OTHER ELECTIVES

Teacher Assistants will be scheduled according to the following schedule:

Regular Classes – 1 only  
Library Assistants – 1 or 2 per period

Office Assistants – 1 or 2 per period  
GMES/RPS Assistants – based upon need

## \*\*Enrollment policy for TA and PE classes\*\*

- A student may be enrolled in no more that two PE classes each year, and no more than one of these classes per term.
- No more than two TA credits per student are allowed.
- TA grades will be pass/fail only, unless the teacher assigns the student a special project. This must be approved by the principal.
- Only students who have sufficient credits to be on track to graduate on time may apply to be a TA.

## **ANNUAL (EL)**

**Grade Level: 11, 12**

*Prerequisite:* Grade C or better in English Core I and approved application  
*Length:* 1 semester (1 credit)  
*Description:* The annual class is responsible for the design, production, sales, and distribution of yearbooks. Students enrolled in annual are responsible for all aspects of constructing a yearbook, including theme development, digital page design, photography, journalistic writing, editing, advertising, and sales. Annual students may be required to attend after-school events, such as club/sports activities, or stay after school to meet deadlines, if necessary. Students must have writing skills and be self-starters who can set goals and meet deadlines. Interested students may pick up applications from a counselor or from the advisor.

## **ELEMENTARY/PRIMARY ASSISTANT (EL)**

**Grade Level: 11, 12**

*Prerequisite:* None  
*Length:* 1 semester (1 credit)  
*Description:* As Elementary and Primary TAs students will assist teachers and other staff at Grand Mound Elementary and Rochester Primary Schools. Tasks may range from doing clerical work such as filing and making and assembling materials for classroom use, to tutoring students individually or in small groups. Regular attendance, appropriate dress and responsible behavior are required. RHS students will be working in an environment with younger students where the Elementary TA will be expected to be a role model.

## **LEADERSHIP (EL)**

**Grade Level: 9, 10, 11, 12**

*Prerequisite:* Application and advisor approval or staff recommendation. Required for ASB and class officers. Open to all students, space permitting  
*Length:* 1 semester (1 credit)  
*Description:* This course is designed to give school leaders an opportunity to increase their understanding and/or effectiveness in communication skills, group processes, managerial skills, self-awareness, and human relations skills. Planning and implementing projects related to school activities is an integral part of this class. Attendance will affect grade.

## **LIBRARY ASSISTANT (EL)**

**Grade Level: 11, 12**

*Prerequisite:* None  
*Length:* 1 semester (1 credit)  
*Description:* The library TA will be mainly in charge of running the circulation desk, which includes checking materials in and out. Duties will be assigned, but include straightening library room, updating periodical displays, delivering and retrieving A-V equipment, replacing bulletin boards, shelving books, etc. Attendance will affect grade and some typing and computer skills are recommended.

**OFFICE OR COUNSELING ASSISTANT (EL)****Grade Level: 11, 12***Prerequisite:* None*Length:* 1 semester (1 credit)*Description:* The students assigned to these positions will learn to use proper telephone procedures, alphabetize and file, assist the public, and other duties deemed necessary. Students chosen to be office/counseling assistants must maintain a high level of confidentiality and responsibility. Attendance is critical and will have an affect on the student's grade.**TEACHER ASSISTANT (EL)****Grade Level: 11, 12***Prerequisite:* Junior or senior status*Length:* 1 semester (1 credit)*Description:* As a special assignment, teachers can arrange a teacher assistant with students. Only **juniors and seniors may be teacher assistants and they may not be TA for more than one teacher per term.****TRAFFIC SAFETY (EL)****Grade Level: 9, 10, 11, 12***Prerequisite:* Must be 15 years old to take class*Length:* 1 quarter (.5 credit)*Description:* Traffic Safety will be held outside of the normal school day. There will be approximately 9 weeks of class time spent each quarter. The driving time will also be outside of school hours as it has been in the past.

Grades are based on classroom performance. Each student will complete 20-28 worksheets and 5-6 exams.

# NEW MARKET VOCATIONAL SKILLS CENTER

## Program Descriptions

**ACADEMY OF FINANCE***Prerequisite:* Junior status*Description:* The Academy of Finance program offers a nationally developed curriculum covering: Economics and the World of Finance, Banking and Credit, Financial Planning Securities, Insurance, International Finance, Introduction to Financial Services, Accounting, Business Computer Applications, and Strategies for Success, and Principles of Finance. Training includes skills for entry level banking careers and the opportunity for hands-on experience in the campus branch of the Washington State Employees Credit Union. Students may also select specialized self-study curriculum from the National Academy of Finance. Internships are an integral part of the course. **Up to 16 college credits available.****AMPS: ALTERNATIVE ENERGY***Prerequisite:* Junior status*Description:* The ACE program offers three areas of study for the future information specialist: 1) web based graphic design and development of web pages for government and businesses using industry recognized web development programs from Adobe, Macromedia, and Microsoft, and utilizing JavaScript, PHP, and MySQL for database connectivity on the web, 2) flash animation and web development, and 3) building, repairing and maintaining PC's and learning about the operating systems behind them. **Up to 35 college credits available,** as well as a number of industry recognized certifications.

## **AUTOMOTIVE SERVICE TECHNOLOGY**

*Prerequisite:* Junior status

*Description:* The Alternative Energy program is centered on understanding the principals of energy transfer and manipulation as well as electricity conversion. A solid grasp of power sources, fuel options, voltage, watts, amps, power grids, and electrical efficiency will spark student interest in this challenging career field by discovering various ways to meet mounting consumer demands. Students will gain a global perspective of how multiple energy and fuel sources including electricity are produced through generation, transmission and distribution. Students will research and develop various energy sources, both renewable and nonrenewable for commercial, residential, and transportation industries; investigating the potential environmental impact of each source. The AMPS: Alternative Energy program will engage students in the exploration and experimentation of current and prospective conservation and consumer assistance strategies focused on the effective use of energy. This program partners with the Centralia Community College Center of Excellence and will offer future articulation and apprenticeship opportunities for students.

## **AUTOMOTIVE SERVICE TECHNOLOGY**

*Prerequisite:* Junior status

*Description:* The Automotive Service Technology program is a National Automotive Service Training and Education Foundation (NATEF) certificated training facility. The program focuses on the four basic ASE areas and is divided into two sections: Automotive Electronics and Engine Performance, and Brakes and Suspension. Automotive Electronics is a pre-requisite for Engine Performance. We are also part of the Automotive Youth Education System (AYES) providing internship and employment opportunities at local repair facilities. Course work is taught by ASE Certified Technicians, and provides the skills and training necessary for four ASE certifications. **Up to 42 college credits available.**

## **CISCO INTERNETWORKING ACADEMY**

*Prerequisite:* Junior status

*Description:* The Information Systems Technology (IST) program is for future Internetworking professionals who want to earn the industry valued CISCO Certified Network Associate (CCNA) and CISCO Certified Network Professional (CCNP) certifications. IST students learn advanced routing and switching techniques, and gain the ability to configure and operate LAN, WAN, and remote access services for organizations with more than 500 nodes. Credit is allowed for sections students already know. **Up to 21 college credits are available**, as well as a number of industry-recognized certifications.

## **COLLISION REPAIR TECHNOLOGY**

*Prerequisite:* Junior status

*Description:* The Collision Repair Technology (CRT) program is the only NATEF certified program in the state. Students are involved in leadership activities, which stress cooperation and teamwork. Students learn vehicle construction, minor body repair, sanding, painting components and spraying techniques, estimating damaged vehicles, MIG welding and many other operations related to vehicle repair. Safety and proper use of equipment and materials are stressed throughout program. The program includes use of I-CAR, Dupont, Chief, Hunter and other professional training materials to meet National Automotive Technical Education Foundation (NATEF) and Automotive Service Excellence (ASE) requirements, standards and certifications. **Up to 100 college credits available.**

## **COMMERCIAL GRAPHIC DESIGN**

*Prerequisite:* Junior status

*Description:* Commercial Graphic Design offers students the opportunity to explore the field of visual communication. Both traditional and digital methods will be used as tools in design, illustration, and layout. Students will plan, analyze, and create visual communication solutions using a variety of media including print, photography, and computer design software programs such as Adobe CS in 2D and 3D design applications. Students will have opportunities for real work experience as commercial artists and graphic designers, reinforcing employment fundamentals in the rewarding and competitive commercial graphics industry. **Up to 5 college credits available.**

## CONSTRUCTION TRADES

*Prerequisite:* Junior status

*Description:* Construction Trades is a pre-apprenticeship program to provide basic knowledge and develop basic skills used in the construction industry. The course covers: design and blueprint process; lot development; rough framing and carpentry; sub floor, wall and roof construction; and proper and safe tool use. It is intended to prepare students for entry into an apprenticeship in the construction trades. By following the practice activities and successfully completing the exercises in the workbook, the student will acquire the skills required for entry into an apprentice program. **Up to 30 college credits available.**

## COSMETOLOGY

*Prerequisite:* Junior status

*Description:* Working in partnership with local beauty schools, Cosmetology students experience hands-on experience at a beauty school. Instruction covers shampooing, haircutting, hair styling, permanent waving, coloring, facials, make-up, manicures, nail art, pedicures, and hair chemistry, as well as sales, business operations, hygiene, industry expectations, and infection control. Students must be at least 17 years of age. School sessions run Tuesday through Saturday, with Saturday attendance mandatory. Training time provides students with the **1640** hours necessary to take the State Board Exam for state certification. \$200.00 fee. Off-site community based program. **Own transportation required. Up to 42 college credits available.**

## CRIMINAL JUSTICE

*Prerequisite:* Junior status

*Description:* The Criminal Justice/Protective Services course is an overview of the criminal justice system and the careers available in this growing employment field. Learning opportunities include: field trips to criminal justice and public service facilities; interaction with guest speakers from law enforcement and the courts; and YMCA Mock Trial competitions. Students receive training on: critical analysis; conflict resolution; technical report writing and investigative procedures; fingerprinting; print lifting and classifying; traffic stop techniques; motor vehicle and building searches; and record keeping. **Up to 11 college credits available.**

## CSI: CLINICAL & SCIENTIFIC INVESTIGATION

*Prerequisite:* Junior status

*Description:* The CSI program offers students an exciting look into the mysterious world of biotechnology. Students will have access to advanced equipment and technology supported by industry based curriculum and professional instruction. Clinical investigation strategies applied to plants, insects, microbes, tissue cultures, genetics, physics and molecular biochemistry will lead students to discover possible diagnosis and treatments in this fascinating field of study.

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## CULINARY ARTS

*Prerequisite:* Junior status

*Description:* The Culinary Arts program combines culinary curriculum with on the job training in a commercial setting, open to the public. Students deal with customers, production deadlines and actual job functions. The students receive instruction in kitchen procedures, deli operations, baking/food productions, banquet and catering service, barista and storeroom management. Students leave prepared for employment and or culinary college. New Market partners with the largest food management company in the world, Sodexo, to manage this program on our campus. **Up to 36 college credits available**, as well as industry certification, including Serve Safe Sanitation certification.

### **DIGIPEN COMPUTER SCIENCE AP**

*Prerequisite:* Junior status

*Description:* DigiPen is an advanced program “Creating makers of technology, not users of technology.” Students study computer mathematics using trigonometry and higher math, computer programming in C++, 2D and 3D computer animation, and computer science. Through this program, partner DigiPen Institute of Technology is helping to fill the video game industry’s biggest need: qualified video game programmers and artists. Many of DigiPen’s college graduates (with either a two-year associate degree or four-year B.S. degree) have secured positions with top companies such as Nintendo, Interplay, DreamWorks Interactive, KnowWonder and Valve. To qualify for this program, students need to pass an entrance exam demonstrating their ability in math, logic and simple art. Algebra I is a minimum requirement. Geometry and Algebra II are highly recommended. **Up to 9 college credits available.**

### **DIGIPEN COMPUTER SCIENCE AP**

*Prerequisite:* Junior status

*Description:* The DigiPen Product Design & Development program provides students with an insight into the entire design process and offers an extensive project-based approach covering initial concept sketches through to the actual manufacturing of their designs. Students will develop and research ideas, understand materials, technology, and manufacturing processes. Students should have basic algebra, high school level arithmetic, reading, writing, basic drawing skills, and computer skills.

### **DIGIPEN PRODUCT DEVELOPMENT & DESIGN**

*Prerequisite:* Junior status

*Description:* The DigiPen Product Design & Development program provides students with an insight into the entire design process and offers an extensive project-based approach covering initial concept sketches through to the actual manufacturing of their designs. Students will develop and research ideas, understand materials, technology, and manufacturing processes. Students should have basic algebra, high school level arithmetic, reading, writing, basic drawing skills, and computer skills.

### **EARLY CHILDHOOD EDUCATION**

*Prerequisite:* Junior status

*Description:* The Early Childhood Education program offers in-depth skills and knowledge related to: understanding stages of growth and development, creating a positive learning environment for children, and planning and teaching children’s activities. It provides both classroom experiences as well as work-based learning at a licensed preschool, kindergarten and childcare facility. The program partners with Serendipity Children’s Center at the Valley Athletic Club. Up to 7 college credits are available, as well as S.T.A.R.S. (State Training and Registry System) certification. Available first session only (8 – 10:30 a.m.) **Up to 26 college credits available.** Off-site community based program. **Own transportation required.**

### **EMERGENCY SERVICES - FIREFIGHTER**

*Prerequisite:* Junior status

*Description:* The Emergency Services program provides the preliminary training needed to become a paid or volunteer firefighter, as well as the preparation needed to take the state written examination for First Responder certification. Through hands-on experience, students learn about safe equipment operation including emergency vehicles, specialty power tools, emergency medical apparatus, and more. The program provides a strong foundation for additional training. **Up to 41 college credits available.** Off-site community based program. **Own transportation required.**

## **ENVIRONMENTAL EXPLORATION AP**

*Prerequisite:* Junior status

*Description:* Environmental Exploration AP, offers an unmatched project-based curriculum which will strongly engage students in interactive field studies, labs, and discussions that focus on the complexities of managing and preserving our natural resources; including water, land and wildlife. Students will have opportunities to work collaboratively with industry and agency professionals learning about environmental management standards and conducting research in hands-on settings. By utilizing state of the art equipment and technology, including field instruments and GIS/GPS software, students will collect and analyze data from local environments. Through activities such as the examination of issues, communication of multiple perspectives, evaluation of field or lab data, and the reporting of results, students will gain the insight and professional skills necessary to succeed in a natural resources career.

**Own transportation may be required to off site locations**

## **MICROSOFT OFFICE**

*Prerequisite:* Junior status

*Description:* In The Microsoft Office program, students work with industry standard networked computer equipment as they become skilled in the use of the Microsoft Office XP suite of software programs, including Word, Excel, PowerPoint, Outlook, and Access. The Microsoft Office program prepares students to take the Microsoft Office Specialist Certification tests, recognized by the industry as Expert level achievement. **Up to 68 college credits available.**

## **PRE-VETERINARY TECHNICIAN**

*Prerequisite:* Junior status

*Description:* The Pre-Veterinary Technician program is designed to prepare individuals to enter the animal health care field. Examples of areas of training are: physical examination and patient history, client education, caring for the hospitalized patient, dental prophylactics and office/hospital management assistance. The program includes both theory and practical application of skills and concepts. Students will gain hands-on experience in area clinics. After completion of the program, the student is well prepared to enter a college Veterinary Technician Program. **Up to 18 college credits available.** Off-site community based program. **Own transportation required for clinicals.**

## **PROFESSIONAL MEDICAL CAREERS**

*Prerequisite:* Junior status

*Description:* The Professional Medical Careers program introduces students to the medical field, with an emphasis on knowledge and skills applicable to many medical occupations. Students explore medical careers in their areas of interest, as well as in targeted demand areas for future job openings. Students completing all course work, and participating in a 50-hour clinical internship, will be eligible to become Washington State Nursing Assistant Certified (NAC). **Up to 23 college credits available.** **Own transportation required for clinicals**