

# **PORTLAND HIGH SCHOOL**



**Registration Catalog  
2017-18**

# PORTLAND HIGH SCHOOL

## School Administration

Front Office Phone: 615-325-9201

Front Office Fax: 615-325-9244

*phs.sumnerschools.org*

**Principal: David Woods**

## Assistant Principals:

Allen Dyer (Students' last name A-F)

Alva Hall (Students' last name G-N)

Robin Venable (Students' last name O-Z)

## Counselors:

Erin Miller (Students' last name A-F)

Dana Kennedy (Students' last name G-N)

Kim Meadows (Students' last name O-Z)

**STUDENTS AND PARENTS:** Please take time to review the material in this booklet before registration begins. If you have questions about this material, please contact your counselor or administrator listed above. *Any information contained in this catalog is subject to revision based on changes in state or county guidelines, policies, and/or mandates.*

**GRADUATION REQUIREMENTS/DIPLOMAS**

As established by the Tennessee State Board of Education and the Sumner County Board of Education and with regard to graduation requirements, a diploma will be awarded as described below:

Graduation Requirements

(a) High School Diploma and Special Education Diploma.

1. A high school diploma will be awarded to students who: (1) earn the specified 26 units of credit and (2) have satisfactory records of attendance and conduct for eight terms. A high school diploma may also be awarded to students who qualify under the “Move on When Ready” law. See Exhibit A1.
2. A special education diploma may be awarded at the end of their fourth year of high school to students with disabilities who have (1) not met the requirements for a high school diploma, (2) have satisfactorily completed an individualized education program, and (3) have satisfactory records of attendance and conduct. Students who obtain the special education diploma may continue to work towards the high school diploma through the end of the school year in which they turn twenty-two years old.
3. An occupational diploma may be awarded at the end of their fourth year of high school to students with disabilities who: (i) Have not met the requirements for a high school diploma; (ii) Have satisfactorily completed an individualized education program; (iii) Have satisfactory records of attendance and conduct; and (iv) Have completed the occupational diploma Skills, Knowledge, and Experience Mastery Assessment (SKEMA) created by the Department of Education and have completed two (2) years of paid or non-paid work experience. The determination that an occupational diploma is the goal for a student with a disability will be made at the conclusion of the student’s tenth (10th) grade year or two (2) academic years prior to the expected graduation date. Students who obtain the occupational diploma may continue to work towards the high school diploma through the end of the school year in which they turn twenty-two (22) years old.

(b) High School Diploma.

The following 26 units shall be required for graduation

<u>Ready Core Curriculum Units</u>	
English Language Arts.....	4
Mathematics*.....	4
Science**.....	3
Social Studies***.....	3
Wellness.....	1
Physical Education.....	0.5
Personal Finance****.....	0.5
Foreign Language****.....	2
Fine Arts****.....	1
Elective Focus*****.....	3
<i>[Additional Sumner County electives]</i> .....	<u>4</u>
Total.....	26

\*Students shall be required to achieve, by the time they graduate, at least the following: Algebra I, Geometry, and Algebra II (or equivalents) plus one additional mathematics course beyond Algebra II. All students will be enrolled in a math class each year. Students with qualifying disabilities as documented in the individualized education program may take Algebra IA, Algebra IB, Geometry A, and Geometry B for their required math classes over four years. Students who enter 9<sup>th</sup> grade having earned any high school math credits must still complete four credits in high school, taking one math class per year.

\*\*Students shall be required to achieve, by the time they graduate, at least Biology I and either Chemistry or Physics plus another laboratory science. Students with qualifying disabilities in reading and/or math as documented in the individualized education program shall be required to achieve at least Biology I and two other lab science credits or Biology 1A and Biology 1B along with one additional lab credit.

\*\*\*The social studies curriculum shall include United States History, World History/World Geography, Economics, and Government.

\*\*\*\*In exceptional circumstances, to allow students to expand and enhance their elective focus, schools may waive the foreign language and/or fine art requirements for students who are not planning to attend a university.

\*\*\*\*\*An Elective Focus is defined as three courses in a related content area.

† Students participating in special program schools (E.B.Wilson Virtual High School, Sumner County Middle College High School, Sumner County Middle Technical College High School) may be exempt from the additional Sumner County electives due to the nature of these programs.

**SUMNER COUNTY ACADEMIC RECOGNITION/GPA FOR STUDENTS ENTERING HIGH SCHOOL 2009-10 AND THEREAFTER**

<u>4 Tiers of Recognition</u>	<u>Cumulative GPA</u>	<u>Minimum Honors and AP Courses</u>
With highest recognition	3.90	18
With high recognition	3.70	16
With notable recognition	3.50	14
With recognition	3.50	Fewer than 14

This academic recognition plan includes all courses attempted by students for all eight terms of the high school career. The GPA is based on a four-point scale with internal weighting only (three points on the final numerical grade for an honors course and five points on the final numerical grade for an Advanced Placement course).

Rank by number will be assigned only to valedictorian and salutatorian. If there is a GPA tie, the valedictorian will be identified as the student having the highest GPA coupled with the largest number of courses at the honors and AP levels. If the GPA and the number of courses are tied, the individuals at this level will share rank. If no students qualify for valedictorian or salutatorian at the highest recognition tier, then each successive tier will be reviewed for students with the highest GPA and, in case of a tie, with the highest number of honors and AP courses with that tier. Students other than valedictorian and salutatorian will be recognized only by the tier in which they fall not by a specific number.

**STATE GRADUATION WITH HONORS AND DISTINCTION**

1. Students who score at or above all of the subject area readiness benchmarks on the ACT or equivalent score on the SAT will graduate with "honors."

2. Students will be recognized as graduating with "distinction" by attaining a "B" average and completing at least one of the following:

- i. earn nationally recognized industry certification
- ii. participate in at least one of the Governor's Schools
- iii. participate in one of the state's All State musical organizations
- iv. be selected as a National Merit Finalist or Semi-Finalist
- v. attain a score of 31 or higher composite score on the ACT
- vi. attain a score of 3 or higher on at least two advanced placement exams
- vii. successfully complete the International Baccalaureate Diploma Program
- viii. earn 12 or more semester hours of transcribed postsecondary credit

**STATE BOARD OF REGENTS REQUIREMENTS**

English	4 Units
Visual or Performing Art	1 Unit
Algebra I	1 Unit
Algebra II	1 Unit
Geometry	1 Unit
Natural/Physical Science	2 Units ( <i>One must be a lab science</i> )
Social Studies	2 Units ( <i>U.S. History and World History/World Geography</i> )
Foreign Language	2 Units ( <i>Must be the same foreign language</i> )

**EARLY GRADUATION**

Students may apply through their counselors for early graduation. Schools will submit: transcript; current course schedule; foreign language and fine art waiver letter (if used); graduation checklist; and a signed letter or statement from the student and parent/guardian (unless the student is 18) requesting early graduation. In addition, principals provide a letter of support. School counselors will forward this packet to the high school instructional coordinator for further processing. Board approval is required.

## **MOVE ON WHEN READY**

Beginning with the 2012-2013 school year, a Sumner County Schools student may complete an early high school graduation program and be eligible for unconditional entry into a public two-year institution of higher education or conditional entry into a public four-year institution of higher education, if the student meets the requirements of this section [TCA§ 49-6-8301-8306].

Each student desiring to complete an early graduation program shall indicate to the high school principal the student's intent to early graduate prior to the end of the first term of their 9th grade (freshman) year. The intent shall be indicated on a form provided by their high school and signed by the parent. A student who completes the early graduation program must continue enrollment as a full-time student until the end of the second term of the school year in which the requirements are completed.

For early graduation and unconditional entry into a public two-year institution or conditional entry into a public four-year institution, a student shall:

- (1) Achieve a benchmark score as determined by the state board of education for each subject area in which end-of-course examinations are administered.
- (2) Successfully complete eighteen (18) credits to include:
  - (A) English I, II, III, and IV;
  - (B) Algebra I and II;
  - (C) Geometry;
  - (D) U. S. History;
  - (E) Two (2) courses in the same foreign language;
  - (F) One (1) course selected from the following:
    - (i) Economics;
    - (ii) Government;
    - (iii) World civilization; or
    - (iv) World geography;
  - (G) One (1) course selected from the following:
    - (i) History and appreciation of visual and performing arts;  
or
    - (ii) A standards-based arts course, which may include studio art, band, chorus, dance, or other performing arts;
  - (H) Health (Wellness);
  - (I) Physical Education;
  - (J) Biology;
  - (K) Chemistry.
- (3) Have a cumulative grade point average of at least 3.2 on a 4-point scale;
- (4) Score on either the ACT or the SAT at or above benchmarks set by the Tennessee higher education commission for mathematics and English;
- (5) Obtain a qualifying benchmark score as determined by the state board of education on a world language proficiency assessment approved by the board; and
- (6) Complete at least two (2) courses from the following types of courses:
  - (A) AP;
  - (B) IB;
  - (C) Dual enrollment; or
  - (D) Dual credit.

The courses specified in subsection (c) may be dual enrollment or dual credit courses, AP or IB courses, or standard courses for which high school credit is granted. Selected courses, as determined by the state board of education, may be completed at the middle school level.

A student in the early graduation program may take two (2) high school English courses in an academic year. A student who completes the early graduation program under this section qualifies for unconditional admittance to all public two-year institutions of higher education.

## **OPTIONAL SCHOOL SETTINGS**

### **E. B. WILSON**

E. B. Wilson High School is a school for students who wish to make up credits or who wish to attend a full-time high school in a non-traditional, virtual setting. Students desiring admission to E.B. Wilson High School must first complete an application for admission and participate in an interview conducted by E. B. Wilson personnel.

Sumner County Schools offers an opportunity for students to experience individualized, online learning outside the traditional classroom environment. This opportunity is provided through a suite of on-line software.

### **R.T. FISHER**

R. T. Fisher School will be available for students who are placed there by an IEP team or by a disciplinary committee established by the Board of Education.

### **SUMNER COUNTY MIDDLE COLLEGE**

Sumner County Middle College High School is an independent learning environment that allows students to earn high school credits while earning college credit. Applications are available during the fall for high school sophomores and juniors. Students must take the ACT and have a composite score of at least 19 (with a minimum sub-score in math and reading of 19 and a minimum sub-score in English of 18). Students should take the ACT no later than February. All classes will be taken on the campus of Volunteer State Community College to meet high school graduation requirements and satisfy some of the general education requirements for an associate's degree.

### **SUMNER COUNTY MIDDLE TECHNICAL COLLEGE**

Middle Technical College High School (MTCHS) is a partnership between Sumner County Schools and Tennessee College of Applied Technology (TCAT). Our campus is located in Portland next to Portland East Middle School. Open to rising juniors and seniors in Sumner County, we currently offer three programs of study including welding, computer information systems, and machine shop technology. Students successfully completing the requirements at MTCHS will have the opportunity to graduate with both a high school diploma and a TCAT certificate.

### **THE UNIVERSITY EXPERIENCE AT UNION**

The University Experience at Union, an enhanced dual enrollment program, is for college-bound seniors in high school who want the opportunity to achieve eighteen credit hours before they graduate. Students have the complete college experience by taking challenging classes taught by Union University faculty members on Union's Hendersonville campus each morning and are able to return to their respective high schools and participate in all of their high school activities. The University Experience at Union also offers the students the chance to attend one of the nation's highest ranked Christian universities, with supplemental activities included such as seminars designed to assist in the transition from high school to college and the chance to participate in other Union University activities. To be eligible, rising seniors must have a 3.0 or better high school grade point average, a 22 composite ACT score (or have registered to take the ACT), a reference from a high school teacher and participate in an interview with a Union University official. Tuition for this program is greatly discounted and financial assistance is available. Visit [www.uu.edu/hendersonville](http://www.uu.edu/hendersonville).

### **TENNESSEE EDUCATION LOTTERY SCHOLARSHIP PROGRAM**

There are two ways to qualify for the Tennessee HOPE Scholarship. At the time of this catalog's publication, an entering college freshman must complete the college core courses and have at least a 3.0 GPA or a 21 ACT composite score. For more information, see your guidance counselor or visit <http://www.tn.gov/collegepays/article/tennessee-hope-scholarship>.

### **TENNESSEE PROMISE**

High school seniors in Tennessee may apply for the Tennessee Promise scholarship, which will provide for two years of tuition-free attendance at a community or technical college in Tennessee. Tennessee Promise is a last-dollar scholarship, meaning it will cover costs of tuition and mandatory fees not met from Pell, HOPE, or state grant awards. As part of the program, students will be paired with a partnering organization and provided with a mentor who will support them during the college application process. For more information, see your guidance counselor or visit <http://tnpromise.gov/index.shtml>.

### **TSSAA ATHLETIC ELIGIBILITY REQUIREMENTS**

Students must meet the following requirements in order to be eligible to participate in athletics:

To be eligible to participate in athletic contests during any school year, a student must earn 6 credits the preceding school year if 24 or more credits are required for graduation. All credits must be earned by the first day of the beginning of the school year. Academic eligibility for a student is based on the requirements of the school the student attended at the conclusion of the previous school year.

## **NCAA**

Athletes who will compete in Division I and II must register with NCAA in the spring of their junior year, no later than the fall of their senior year. The NCAA Clearinghouse will not accept a Credit Recovery course for credit to satisfy college athletic eligibility requirements.

## **LOSS OF CREDIT FOR DUPLICATE COURSE**

Students must check carefully to make sure that they do not register for a course for which they have previously received credit. The final checking for duplicate courses is an individual student's responsibility. Neglect or oversight on the part of the student will result in the loss of credit.

## **SUMMER SCHOOL POLICY**

According to the State Rules, Regulations, and Minimum Standards, none of the courses required for graduation shall be taken for the first time during a summer school session without permission from the principal and the Board of Education. Summer School information is available in the counseling office in May.

## **COURSE OFFERINGS**

Some of the courses listed in this catalog may not be offered due to limited student interest and/or teacher availability.

## **COURSE DIFFICULTY**

All courses listed are taught at the standard level unless otherwise designated.

## **CREDIT RECOVERY**

Credit Recovery is a course specific, skill-based extended learning opportunity for students who have previously been unsuccessful in the regular classroom in mastering content or skills required to receive course credit. The Credit Recovery Lab will be opened before and after normal school hours and at other designated times. The student must complete all work while in the supervised computer lab. To be eligible for the Credit Recovery program, a student must have earned a grade of 50-69 in the original course. In order to recover the credit, a student must demonstrate a minimum mastery in the Credit Recovery course curriculum which is aligned with Tennessee Curriculum Standards approved by the State Board of Education and must attain a passing grade when averaged with the grade in the original course. Upon successful completion of the course, the student's original grade will be averaged with the student's credit recovery score. The student will be given a P/F grade based on this average and receive a standard level credit for the course if the course is passed. The Credit Recovery grade will be recorded on the student's transcript as a separate grade but will not be calculated into the student's GPA. It does not replace the "F" in the original course. The NCAA Clearinghouse will not accept a Credit Recovery course for credit to satisfy college athletic eligibility requirements.

## **SCHEDULE CHANGES**

The Board of Education procedure for schedule changes is as follows: (1) Students register in the spring for the next academic year's courses; (2) prior to the beginning of the term, students will have an opportunity to make a schedule adjustment request. Student initiated schedule changes may be requested during the first two days of the term and are subject to approval by the school administration. Other schedule changes may be made during the term if extenuating circumstances exist and the school administration approves the changes.

## **STATE-MANDATED TESTING**

At the publication date of this registration catalog, the following state examinations are scheduled to be administered at the end of each term in the following courses: Algebra I, Algebra II, Biology, Chemistry, English I, English II, English III, Geometry, and U. S. History.

## **GRADE CLASSIFICATION**

Students are classified by grades according to the number of earned credits. In order to proceed to the next grade level, the student must have earned the minimum required number of credits at the beginning of each school year and will not change mid-year.

Freshman	5 Credits or less
Sophomore	6 Credits
Junior	12 Credits
Senior	18 Credits

## STATE OF TENNESSEE GRADING SCALE

100 to 93 =	A
92 to 85 =	B
84 to 75 =	C
74 to 70 =	D
69 & below =	F

## Course Descriptions

*Unless otherwise indicated, most courses do not charge a class fee due to the fact that a general student fee is accessed at the beginning of the school year.*

### ENGLISH LANGUAGE ARTS

#### **STANDARD ENGLISH I**

GRADE LEVEL: 9

PREREQUISITE: *None*

Students will study the basic rules of spelling, grammar, sentence structure, and usage. Literature, writing, and vocabulary will also be studied. Essay writing instruction will focus on constructed response techniques.

#### **HONORS ENGLISH I**

GRADE LEVEL: 9

PREREQUISITE: *At least a "B" in 8<sup>th</sup> grade Accelerated English and proficiency of required pre-course independent reading.*

Students will be expected to have a solid background in grammar and reading. Grammar as it applies to writing will be emphasized. The genres of literature will be introduced and developed with emphasis on poetry, short stories, and the novel. Writing practice will also be an integral part of the course. Essay writing instruction will focus on constructed response techniques. Pre-course independent reading will be required, and understanding of the novel will be assessed within the first few days of class.

#### **STANDARD ENGLISH II**

GRADE LEVEL: 10

PREREQUISITE: *English I*

Students will study vocabulary, various genres of literature, sentence structure, grammar as it applies to writing, paragraph development, and the writing of essays. Essay writing instruction will focus on constructed response techniques.

#### **HONORS ENGLISH II**

GRADE LEVEL: 10

PREREQUISITE: *At least a "B" in Honors English I; teacher recommendation; completion of required pre-course independent reading.*

This course is designed for the student who is willing to work beyond the standard requirements. Grammar as it applies to writing will be emphasized. Essay writing instruction will focus on developing a variety of constructed responses geared toward passing the TN Ready writing assessment. Various genres of world literature and informational texts will be examined. Pre-course independent reading will be required, and understanding of the novel will be assessed within the first few days of class.

#### **STANDARD ENGLISH III**

GRADE LEVEL: 11

PREREQUISITE: *English II*

This course will include a survey of selected American writers and their works, vocabulary studies, and grammar practices as they relate to the students' written and oral expression. Essay writing instruction will focus on constructed response techniques in preparation for the TN Ready writing assessment. Students will research a topic and write a research paper following the Modern Language Association (MLA) format.

#### **HONORS ENGLISH III**

GRADE LEVEL: 11

PREREQUISITE: *At least a "B" in Honors English II; teacher recommendation; completion of required pre-course independent reading.*

This course is designed for the accelerated student who is willing to work beyond the standard level. Grammar as it applies to writing will be emphasized. Students will focus on a survey of American literature. Writing assignments will test reading comprehension and analysis, improve composition skills, and foster research skills. An in-depth research paper will be required following the Modern Language Association (MLA) format. Essay writing instruction will focus on constructed response techniques in preparation for the TN Ready writing assessment. Grammar and usage rules will be reviewed and expanded on as needed. Pre-course independent reading will be required, and understanding of the novel will be assessed within the first few days of class.

#### **ADVANCED PLACEMENT ENGLISH III, RHETORIC AND COMPOSITION—I & II**

GRADE LEVEL: 11

PREREQUISITE: *Honors English II; teacher recommendation, history of academic success, completion of preliminary reading material.*

CREDITS: 2 (Year-long)

The AP English Language and Composition course focuses on rhetorical analysis of nonfiction texts and the development and revision of well-reasoned, evidence-centered analytic and argumentative writing. It provides willing and academically prepared students with the opportunity to earn college credit and/or advanced placement. The course cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement; it also guides students in becoming curious, critical, and responsive readers of diverse texts, and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The course cultivates the rhetorical understanding and use of written language by directing students' attention to writer/reader interactions in their reading and writing of various formal and informal genres. Cost of the exam is approximately \$92.



## **STANDARD ENGLISH IV**

GRADE LEVEL: 12

PREREQUISITE: *English III*

In this course, students will be guided through a survey of British literature. The course includes the use of informational texts that correspond with the literature, writing that focuses on grammar and style, vocabulary development, and an in-depth analysis of diverse works of literary merit.

## **HONORS ENGLISH IV**

GRADE LEVEL: 12

PREREQUISITE: *Honors English III; teacher recommendation; completion of required pre-course independent reading.*

This course is designed for the accelerated student. It includes intensive writing practice and development as students are guided through a survey of British literature. Students will be expected to analyze, evaluate and discuss literature through writing, speaking, and cooperative learning. Pre-course independent reading & proficiency is required. Exhibition of proficiency on these tests, given the first few days of class, is required.

## **HONORS DUAL ENROLLMENT ENGLISH IV\* (ENGL 1010 & 1020/Composition I & II)**

GRADE LEVEL: 12

PREREQUISITE: *ACT English subscore of 18; ACT reading subscore of 19; and 3.0 GPA in English courses.*

*These courses enable a student to earn six credit hours from Volunteer State Community College.*

*English 1010 Composition I* introduces writing expository compositions based primarily on analysis of essays and literary works. *English 1020 Composition II* emphasizes writing compositions based on issues raised in essays and literary works.

**Cost:** See last page of this catalog.

## **ADVANCED PLACEMENT ENGLISH IV-- I & II**

GRADE LEVEL: 12

PREREQUISITE: *Honors English III; teacher recommendation; history of academic success; completion of preliminary reading list*

CREDITS: 2 (Year-long)

This course is designed for highly motivated, intellectually capable, college-bound seniors with a desire to challenge themselves in the field of Language Arts and build credits for selective and competitive universities. Suggested for success in this course are a background in mythology, familiarity with the Old and New Testaments, skill in the writing process, ability to define major genres, and a curiosity which asks thought-provoking questions for literary analysis. The content of this course helps students to take the Advanced Placement Literature and Composition Test for possible college credit. The cost of the exam is approximately \$92.00.

## **SHAKESPEARE**

GRADE LEVEL: 11, 12

PREREQUISITE: *English teacher recommendation and a pattern of academic excellence*

This is a fun, interactive elective class designed for students who want to further their study of Shakespeare and Elizabethan England. Through a close reading of plays and poetry, the student will learn about the conventions of Elizabethan theatre and the actions, characters, and themes of the plays. Students will examine and analyze why Shakespeare continues to be the most celebrated and revered author in the world and why his themes are still relevant today. In addition, students will be encouraged to attend a live Shakespearean performance and will have access to films and recordings to supplement the class work.

## **INTRODUCTORY SPEECH**

GRADE LEVEL: 9-12

PREREQUISITE: *None*

In this course, the student will learn the basics of public speaking and speech writing. There will be textbook work that includes quizzes and tests. The student will participate in writing and presenting several different types of speeches. The student will gain an overview of the theatre. This is a participation-based class. Students who refuse to complete speech assignments will fail the course. Upon completion of the course, the students have the opportunity to join the speech team which competes in acting and speaking competitions throughout the year..

## **INTERMEDIATE SPEECH**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *At least a "B" in Introductory Speech and/or teacher recommendation*

In this course, the student will participate in more advanced forms of public speaking and communication skills. These include acting, public speaking, group discussion, parliamentary procedure, and radio and television. There will be some textbook work that includes quizzes and tests. This class is a participation-based class. Students who refuse to complete speaking assignments will fail the course. The students have the opportunity to join the speech team, which competes in acting and speaking competitions throughout the year.

## **STANDARD SPANISH I**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *None*

This course is an introduction to the Spanish language with an emphasis on vocabulary, present tense verbs, writing, and basic conversational speaking skills with correct pronunciation. Students in Standard Spanish I will learn the same content as in Honors Spanish but at a slightly slower pace and through a varied means. Spanish culture will be incorporated throughout the term.

## **HONORS SPANISH I**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *At least a "B" in Honors English*

This course is an introduction to the Spanish language with emphasis on correct pronunciation, understanding, vocabulary, and simple present verb tense.

## **STANDARD SPANISH II**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *Spanish I*

This course is a continuation of Spanish I with more advanced grammar and vocabulary. Both past and present verb tenses will be studied. The pace of this course is slightly slower than Honors Spanish. Students are expected to retain information from Spanish I and be able to meet the advanced demands of Spanish II. This course is recommended for students who may have struggled in Honors Spanish I.

**HONORS SPANISH II**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *Honors Spanish I and at least a "B" average in Honors English*

This course is a continued study of the Spanish language with additional emphasis on increased vocabulary, more advanced grammatical structures, simple present and past tenses, simple present and past verb tenses, and refined usage.

**HONORS SPANISH III**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *"A" in Honors Spanish II and recommendation of foreign language teacher*

This course is a continued study of the Spanish language in which more advanced vocabulary and grammar are presented. Third year language students are expected to be self-motivated, responsible, and trustworthy due to the self-directed nature of the class.

**STANDARD FRENCH I**

GRADE LEVEL: 9-12

PREREQUISITE: *None*

This course is an introduction to the language and culture of France. In this class, thematic vocabulary will be emphasized. Our focus will be on reading and writing. The present tense of the verb will be mastered.

**HONORS FRENCH I**

GRADE LEVEL: 9-12

PREREQUISITE: *None for 10, 11, 12, but incoming freshmen should have at least a "B" in 8<sup>th</sup> grade Accelerated English*

This course is an introduction to the language and culture of France. In this class, thematic vocabulary will be emphasized. Our focus will be on reading, writing, speaking, and listening skills. The present tense and the most commonly used past tense of verbs will be mastered.

**STANDARD FRENCH II**

GRADE LEVEL: 9-12

PREREQUISITE: *French I*

This course will be a continuation of the same type of material as in French I. French culture will continue to be presented and the most commonly used past tense will be mastered.

**HONORS FRENCH II**

GRADE LEVEL: 9-12

PREREQUISITE: *Honors French I*

This course is a continuation of the same type of material as in French I. French culture will continue to be presented. Vocabulary and speaking will be emphasized.

**HONORS FRENCH III**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *Honors French II*

In this course advanced vocabulary and grammar are presented. Translations are used to further language understanding and usage. Third year language students are expected to be responsible leaders and trustworthy examples due to the self-directed nature of the class.

**FINE ARTS**

*Fees are required for all Fine Arts classes in addition to the general student fee.*

**DANCE I**

GRADE LEVEL: 9-12

PREREQUISITE: *None*

This course includes learning the basic fundamentals of dance, genres of dance, and current/modern forms of dance. The student will study the origin of popular dance styles and techniques. The student will be required to actively participate in the learning of different styles of dance. The student will be expected to memorize the language and other elements learned while in this class. This is a basic dance class that any student, without any experience, can participate in. The student may be required to perform at a school function.

**VISUAL ARTS I**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *None*

This course is an introduction to the language of visual art, art history, art criticism, and art production. This class will focus on the elements of art and principles of design through drawing. While this course relies heavily on "hands-on" learning experiences, students should expect written work, tests, and homework. Art production will include pencil, ink, charcoal, pastel, and more.

**VISUAL ARTS II**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *At least a "B" in Visual Arts I and/or teacher recommendation; completion of required pre-course drawings.*

This course is designed to expand skills and knowledge from *Visual Arts I*. This class will focus on contemporary and modern artists and mediums while students gain an increased awareness of art criticism and history to improve their skills in drawing, painting, and 3-D works. Students will be expected to turn in weekly sketchbook assignments as well as outside projects.

### **VISUAL ARTS III**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *At least a "B" in Visual Arts II and/or teacher recommendation; completion of required pre-course paintings.*

This course is designed for the student who has a good understanding of the design principles and elements and has developed competence in all production areas. This class will be production-based and will focus on problem-solving and developing more advanced skills. Although some projects will be structured by the teacher, students will have more choice in media and process. Sketchbook assignments and outside projects will be required. This art student must be self-motivated and an independent worker.

### **VISUAL ARTS IV: STUDIO ART**

GRADE LEVEL: 11, 12

PREREQUISITE: *Must have completed Visual Arts I, II, III with at least a "B" average; completion of required pre-course proposal for independent portfolio development; and/or teacher recommendation.*

This course prepares the serious art student for post-secondary work in an art-related field including preparation for portfolio reviews with colleges. The student must demonstrate advanced level skills and must be independent and self-motivated. Although some projects will be structured by the teacher, other projects will be proposed and developed by the student based on their particular area of interest. Sketchbook and outside projects will be required. Students should expect to create a body of work in which to exhibit. Students will compete locally and nationally.

### **THEATRE ARTS I**

GRADE LEVEL: 9-12

PREREQUISITE: *Introductory Speech* is recommended.

This course includes the elements of play production, theatre history, and general theatre etiquette. The theatre student will study voice/diction development, characterization, improvisation, and stage movement. The student will be required to memorize scenes and is expected to attend the Intermediate level production.

### **THEATRE ARTS II**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *Pass Theatre Arts I or the preceding course with a "B" and/or receive the theatre teacher's recommendation. There is a script charge of \$20 each term to cover the cost of providing scripts and paying royalties for the chosen production. Some before and after school rehearsal time is required. Students who fail other classes or have frequent ISS or OSS may be cut from productions at the discretion of the director.*

This course continues the student's exposure to play production. This course includes the production of one full-length play. Either a particular period of theatre history or a Shakespeare play is covered each term. Only those students with a love of the stage and the desire to maintain good attendance and work hard should sign up for this class.

### **THEATRE ARTS III**

GRADE LEVEL 11, 12

PREREQUISITE: *Pass 2 terms of Theatre II or the preceding course with a "B," have a good attendance and disciplinary record; and/or receive the recommendation of the theatre teacher. There is a script charge of \$20 each term to cover the cost of providing scripts and paying royalties for the chosen production. Some before and after school rehearsal time is required. Students who fail other classes or have frequent ISS or OSS may be cut from productions at the discretion of the director.*

This course allows students to continue their education and experience in theatre production. This course includes the production of one full-length play in collaboration with Theatre II students. Either a particular period of theatre history or a Shakespeare play is covered each term. Students will be given writing, directing, and performing assignments on a more advanced level. A full length play of literary merit will be covered each term in addition to the play being produced.

### **TECHNICAL THEATRE ARTS**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *Theatre Arts I or Theatre instructor's recommendation. Some before and after school rehearsal time is required. There is a \$20 fee for lab supplies. Students will participate as the technical crew for the performing class production.*

This course gives the student a solid grounding in basic production practices with an emphasis on the technical aspects of theatre rather than performance. Students will cover theatre history, basic staging and principles of movement, as well as set, lighting, sound, costume, and makeup design, and theatre business practices. They will work with the performing classes on the production chosen for the term, functioning as the designers of set, the lighting and sound technicians, the stage crew, the publicists and house managers, and the costume and makeup designers.

### **HONORS DUAL ENROLLMENT INTRODUCTION TO FILM (ENGL 1030)**

GRADE LEVEL: 11, 12

PREREQUISITE: *ACT subscores of 18 in English and 19 in Reading; 3.0 GPA in English courses*

A general education course designed to meet the fine arts requirement. This course provides an introduction to and overview of film as an art form; emphasis is on understanding the nature of film and its place in culture, with overviews of the history and theory of film and the production process. Introduction to film counts as a required Fine Art credit in the college curriculum.

**Cost:** See last page of this catalog.

### **HONORS DUAL ENROLLMENT FUNDAMENTALS OF SPEECH (COM 100)**

GRADE LEVEL: 11, 12

PREREQUISITE: *ACT subscores of 18 in English and 19 in Reading; 3.0 GPA in English courses*

This course is an introduction to the communication process, interpersonal communication, group discussion, and public speaking. Students are required to prepare and deliver speeches. This course enables a student to earn three credit hours from Volunteer State Community College.

**Cost:** See last page of this catalog

## **MUSIC THEORY I**

GRADE LEVEL: 9-12

*Music Theory I* is a course that gives students knowledge and application of music notation, functional harmony, and aural skills. Students will continuously apply knowledge of music theory in notation practice. A brief history of written music practice is examined along with modern composition practices. Students will sing and develop aural skills and keyboard skills. Interdisciplinary connection to math and the mathematical logic of music is included. There is a \$20.00 music and supply fee for this course.

## **MUSIC THEORY II**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *Music Theory I*

Offered in the Spring semester, this course is a continuation of *Music Theory I*. This course will further explore harmony, songwriting and music composition, intermediate piano skills, and music history. Students wanting to take this course must take *Music Theory I* as a pre-requisite, offered any fall semester. This course is ideal for students wishing to study music after high school but is also catered to any student seeking deeper understanding of different music practices.

## **PORTLAND HIGH SCHOOL CHOIR**

GRADE LEVEL: 9-12

PREREQUISITE: *Prior choral or other music experience recommended but not required. There are some after school rehearsals and a performance.*

*PHS Choir* is a course that gives students an introductory experience in the study and performance of a diverse repertoire of vocal and choral music, and general music study. This course includes instruction in vocal technique, musical ear training (aural skills), and musicianship. This course promotes musicianship through group performance. Members of PHS Choir enjoy trips to workshops and music events around Middle Tennessee. There is a \$20.00 music and supply fee for this course.

## **PORTLAND HIGH SCHOOL ENSEMBLE**

GRADE LEVEL: 9-12

CREDITS: 2 (YEAR-LONG)

PREREQUISITE: *Pass at least 1 term of Portland High School Choir and/or complete an individual audition with the director. The prerequisite of passing 1 term of PHS Choir may be waived at the director's discretion – requires interview with the director.*

*PHS Ensemble* is a course that gives students an intermediate and advanced experience in the study and performance of a diverse repertoire of vocal and choral music. This course includes advanced instruction in vocal technique, musical ear training (aural skills), and musicianship. PHS Ensemble will have greater rehearsal and performance expectations, and increased amount of repertoire. Opportunities are available each year for participation in honor choirs and festivals. Members of PHS Ensemble enjoy trips to workshops and performances throughout Middle Tennessee. This course encourages self-expression through solo and group performance. Students are required to attend all after school rehearsals and concerts. There is a \$20.00 music and supply fee for this course. Formal concert attire is provided. Students may be required to provide additional concert attire for certain events.

## **INSTRUMENTAL MUSIC (BAND)**

GRADE LEVEL: 9-12

CREDITS: 2 (YEAR-LONG)

PREREQUISITE: *Each student must pass an individual audition and receive the Band Director's recommendation. Band is a full-year course, and students must register for both terms. Attendance at the PHS band camp is required. Band camp information and schedules are available in the band office.*

Band is a performance-based organization. Musicianship, self-discipline and citizenship are taught through rehearsal and performance. All after-school rehearsals and performances including concerts, parades, marching contests and football games are required. Opportunities are available for students to excel on an individual level through participation in honor bands and festivals. Students participating in the Flag Corps must audition each year and will register for the first semester only unless they play an instrument the remainder of the year.

## **MATHEMATICS**

### **STANDARD ALGEBRA I-A/I-B**

GRADE LEVEL: 9

PREREQUISITE: *None*

CREDITS: 2 (Year-long/1 elective credit & 1 math credit)

This course is divided into two semesters in order to present algebraic concepts at a decelerated pace. Algebra I-A is an elective credit and will cover the basic properties of real numbers along with solving and graphing linear equations. The second term will cover linear equations in more depth as well as linear inequalities and quadratic equations. Algebra I credit will be awarded at the end of the second term.

### **STANDARD ALGEBRA I**

GRADE LEVEL: 9

PREREQUISITE: *Enrollment in Advanced Math 8, teacher recommendation, and acceptable score on administered basic math test*

This course is designed to present algebraic concepts at an accelerated pace, but not as in-depth as honors. Algebra will cover the basic properties of real numbers along with solving and graphing linear equations. The second nine-weeks will cover linear equations in more depth as well as linear inequalities and quadratic equations. Additional topics of study may include relations and functions, variations, solving systems of linear inequalities, and solving quadratic equations by solving radical equations. A graphing calculator is essential for course work. (Algebra I is an EOC course.)

### **HONORS ALGEBRA I**

GRADE LEVEL: 9

PREREQUISITE: *An "A" in 8<sup>th</sup> grade Advanced Math 8 or Advanced Math 8 teacher recommendation*

This course is intended for students who plan to take Honors Pre-calculus and/or Advanced Placement Calculus and/or intend to pursue goals that involve a solid algebraic background. This course will cover the same algebraic concepts as in standard Algebra I but with more depth and at a faster pace. Additional topics of study will include relations and functions, variations, solving systems of linear inequalities, and solving quadratic equations by solving radical equations. A graphing calculator is essential for course work. It is the responsibility of the students to purchase their own calculator.

**STANDARD ALGEBRA II-A/II-B**

GRADE LEVEL: 10

PREREQUISITE: *Algebra I*

CREDITS: 2 (Year-long/1 elective credit &amp; 1 math credit)

This course is divided into two terms in order to present second year algebraic concepts at a decelerated pace. The first term will cover equations and inequalities, linear, quadratic, and polynomial functions, and matrices. The second term will cover exponential and logarithmic functions, conics, sequences, probability, and trigonometry. *Algebra II* credit will be awarded at the end of the second term.

**STANDARD ALGEBRA II**

GRADE LEVEL: 10

PREREQUISITE: *Algebra I* average 3.5 or better or *Honors Algebra I*, and teacher recommendation

This course will include the review of first year algebraic skills as well as the essential topics for a second year algebraic course. This course will include a study of linear and quadratic equations and inequalities, matrices, relations and functions, and applications as well as other topics.

**HONORS ALGEBRA II**

GRADE LEVEL: 10, 11

PREREQUISITE: *Honors Algebra I* and teacher recommendation

This course is intended for students who plan to take *Honors Pre-Calculus* and/or *Advanced Placement Calculus* and/or intend to pursue goals that require a good mathematical background. This course will cover the same algebraic concepts as *Standard Algebra II* but with more depth and at a faster pace. A graphing calculator is required for course work. It is the responsibility of the students to purchase their own calculator.

**STANDARD GEOMETRY**

GRADE LEVEL: 11

PREREQUISITE: *Algebra II*

This course stresses the use of deductive reasoning and the investigation of drawing conclusions. Students study properties and relationships involving the study of lines, angles, planes, congruence and similar plane figures, basic trigonometric ratios, polygons, circles and the relationships of angles and lines of circles. Also included is the study of solid geometry concepts and analysis of topics of spatial figures. The development of the need for proof and its use is emphasized. This course provides the student with experiences that will broaden his or her understanding of geometric shapes and the properties of these shapes.

**HONORS GEOMETRY**

GRADE LEVEL: 10

PREREQUISITE: *Honors Algebra I* and teacher recommendation

This course is intended for students who plan to take *Honors Pre-Calculus* and/or *Advanced Placement Calculus* and/or intend to pursue goals that involve a solid geometric background. This course will cover the same geometric concepts as *Standard Geometry* but with more depth and at a faster pace. A calculator is essential for course work. It is the responsibility of the students to purchase their own calculator.

**HONORS PRE-CALCULUS**

GRADE LEVEL: 11, 12

PREREQUISITE: *Honors Algebra II* and teacher recommendation

*Honors Pre-Calculus* is intended for students who have successfully completed *Honors Geometry* and *Honors Algebra II*. This course will include a study of polynomial, rational, exponential, logarithmic, and trigonometric functions and conic sections and their graphs. It will also include an introduction to limits. A graphing calculator is essential for the coursework, and it is the responsibility of the student to purchase their own calculator.

**HONORS ADVANCED ALGEBRA AND TRIGONOMETRY**

GRADE LEVEL: 11, 12

PREREQUISITE: *Honors Algebra II* and teacher recommendation.

This course is designed as a transition for juniors to college level mathematics. The topics covered will include trigonometric functions, analytic trigonometry, vectors, systems of equations and inequalities, matrices, and sequences. A graphing calculator is essential for the coursework, and it is the responsibility of the student to purchase their own calculator.

**BRIDGE MATHEMATICS**

GRADE LEVEL: 12

PREREQUISITE: *Algebra II*, average math GPA less than or equal to a 2.0, or ACT math subscore below 19, and teacher recommendation

This course is designed to reintroduce mathematical concepts in an environment that promotes learning beyond skill and drill techniques. Technology will be used to strategically enhance the student's understanding of core concepts via the use of multiple problem solving strategies.

**SENIOR MATH**

GRADE LEVEL: 12

PREREQUISITE: *Algebra II*, average math GPA greater than a 2.0, intention to attend college, or ACT math subscore of at least 19, and teacher recommendation

This course is designed as a transition to college level mathematics. It will continue to prepare the senior student who is planning to attend college. Topics covered include functions and their graphs, trigonometric functions, probability, and matrices. A graphing calculator is recommended for coursework.

**HONORS DUAL ENROLLMENT COLLEGE ALGEBRA (MATH 1130)**

GRADE LEVEL: 12

PREREQUISITE: ACT Math score of at least 19 and a 3.0 average in mathematics courses

This course is designed for seniors who want to combine college and high school credit and still meet requirements for high school graduation. It is equivalent to a college algebra class and enables a student to earn three credit hours from Volunteer State Community College.

**Cost:** See last page of this catalog.

## **ADVANCED PLACEMENT CALCULUS AB I**

GRADE LEVEL: 12

PREREQUISITE: *Honors Pre-Calculus and/or Honors Advanced Algebra/Trig (both recommended) and teacher recommendation*

*Advanced Placement Calculus* is intended for students who have successfully completed *Honors Pre-Calculus*. This course will include a study of functions and graphs, limits and continuity and derivatives. This course is intended to prepare students to enter college level calculus. A graphing calculator is essential for course work. It is the responsibility of the students to purchase their own calculator. Students are encouraged to take *AP Calculus AB II* in the spring.

## **ADVANCED PLACEMENT CALCULUS AB II**

GRADE LEVEL: 12

PREREQUISITE: *AP Calculus AB I and teacher recommendation*

This course will include the study of integration and the application of integration. Students will build on previous knowledge gained in calculus. Focus will be on integrals and their relationship to calculus, differential equations and application to definite integrals. A graphing calculator is essential for course work. It is the responsibility of the students to purchase their own calculator. Students will be encouraged to take the *AP Calculus* test for possible college credit in the spring; students must assume the cost of the test which will cost approximately \$90.00.

## **PHYSICAL EDUCATION AND WELLNESS**

### **LIFETIME WELLNESS**

GRADE LEVEL: 9

PREREQUISITE: *None*

*Lifetime Wellness* focuses on disease control, mental health, nutrition, safety and first aid, substance use and abuse, family life and sexuality and physical fitness. Students completing this course will be better prepared to assume responsibility for personal lifetime wellness.

### **PHYSICAL EDUCATION (1/2 CREDIT)**

GRADE LEVEL: 10

PREREQUISITE: *None*

Students will demonstrate an understanding of movement concepts, principles, strategies, and tactics as they apply to the learning and performance of physical activities. Students will demonstrate competency in motor skills and movement patterns needed to perform a variety of physical activities. *This course is paired with ½ credit of Personal Finance.*

### **BASIC WEIGHT TRAINING AND CONDITIONING**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *Wellness*

This course will include basic training, proper use of equipment, and identification of major and secondary muscle groups. Students will work with the instructor to create an individual workout program. This course is taught as a lifetime activity and part of an overall fitness program.

### **ADVANCED WEIGHT TRAINING AND CONDITIONING**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *Basic Weight Training and Instructor's approval*

This course is designed for students and athletes with basic weight training skills to enhance their knowledge and fitness level. Each student will develop and understand training techniques designed to create an individual workout program specific to their needs.

## **SCIENCE**

***Some science courses require certain levels of math courses. Please check ALL science course listings to plan for future choices.***

*Fees are required in all Science classes in addition to the general student fee.*

### **STANDARD PHYSICAL SCIENCE**

GRADE LEVEL: 9

PREREQUISITE: *None*

*Standard Physical Science* is a course that explores the relationship between matter and energy. The student will investigate forces and motion; structure and properties of matter; interactions of matter; and energy.

### **HONORS PHYSICAL SCIENCE**

GRADE LEVEL: 9

PREREQUISITE: *Honors Algebra I (Can be taken concurrently)*

*Honors Physical Science* will explore at an accelerated rate the relationship between matter and energy. Outside class assignments will be expected along with hands-on lab experiences. Topics include: force and matter; structure and properties of matter; interactions of matter; and energy. Mathematical concepts are involved with these topics. A scientific calculator is required.

### **STANDARD AGRISCIENCE**

GRADE LEVEL: 9, 10

PREREQUISITE: *"B" average in 8th grade science is recommended*

The course objective is to provide instruction in Agriscience education, to prepare students to succeed in Agriscience education, to prepare students to succeed in Agriscience/Agribusiness employment, post-secondary technical programs, and study in community college and four-year institutions. **This course counts as a lab science credit toward graduation and college entrance requirements but cannot be substituted for Biology I or Chemistry I.** Curriculum includes animal science, plant science, recording data, the basic physics of agriculture mechanics, and leadership development. FFA is an integral part of this curriculum.

## **HONORS AGRISCIENCE**

GRADE LEVEL: 9, 10

PREREQUISITE: *At least a "B" in 8<sup>th</sup> grade science or 9<sup>th</sup> grade Physical Science and at least a "B" in 8<sup>th</sup> grade English or 9<sup>th</sup> grade English*

*Honors Agriscience* is an accelerated introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. This course helps students understand the important role that agricultural science and technology serves in the 21st century. **This course counts as a lab science credit toward graduation and college entrance requirements but cannot be substituted for Biology I or Chemistry I.** Students in this class will be required to develop an Agriscience research project. This project will be worked on in class as well as outside of class. FFA IS AN INTEGRAL PART OF THIS CLASS. Extracurricular activities are encouraged but not mandatory.

## **STANDARD BIOLOGY I**

GRADE LEVEL: 10

PREREQUISITE: *Physical Science*

*Biology* is a course that introduces students to the world of living things. The students will explore the following areas: cells, interactions, photosynthesis and respiration, genetics and biotechnology, and biodiversity. These areas are in correlation to the new National Science Education Standards.

## **HONORS BIOLOGY I**

GRADE LEVEL: 10

PREREQUISITE: *Honors Physical Science*

*Honors Biology* is an accelerated course which introduces students to the world of living things. The student will explore the following areas in depth: Cells, interactions, photosynthesis and respiration, genetics and biotechnology, and bio diversity. These areas are in correlation to the new National Science Education Standards. In addition, assignments outside of class time are required.

## **HONORS BIOLOGY II**

GRADE LEVEL: 11, 12

PREREQUISITE: *Honors Biology I and Honors or Standard Chemistry*

*Biology II* is a course that introduces students to major specialty areas of Biology. The students will explore comparative anatomy, embryology, genetics, immunology, microbiology, and botany. Outside research and assignments are course requirements.

## **ADVANCED PLACEMENT BIOLOGY**

GRADE LEVEL: 11, 12

PREREQUISITE: *Honors Biology I and Honors Chemistry I with Departmental Approval*

CREDITS: 2 (Year-long)

The *Advanced Placement Biology* course is designed to be the equivalent of a college introductory biology course. This course differs significantly from the Biology I course with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work done, and the time and effort required of students. The class can be divided into three general areas: 1) Molecules and Cells- 25%; 2) Heredity - 25%; 3) Organisms and Populations - 50%. Students will be expected to take the Advanced Placement Examination (approximately \$92.00) upon completion of the course.

## **HONORS HUMAN ANATOMY AND PHYSIOLOGY**

GRADE LEVEL: 11, 12

PREREQUISITE: *Honors Biology I and Honors or Standard Chemistry*

*Honors Anatomy and Physiology* is a strenuous course that is a study of the body's structures and respective functions at the molecular/biochemical, cellular, tissue, organ, systemic, and organism levels. Students explore the body through laboratory investigations, models, diagrams, and/or comparative studies of the anatomy of other organisms. This course prepares students for a variety of pursuits such as health care, sports, and fitness careers. Students will study anatomical orientation; protection; support and movement; integration and regulation; transportation; absorption and excretion; and reproduction, growth, and development. Assignments outside of class time will be required and expected. A class fee is required in addition to students purchasing workbooks/materials.

## **STANDARD CHEMISTRY I**

GRADE LEVEL: 11, 12

PREREQUISITE: *Biology I and Physical Science*

This course includes a study of atomic structure, the Periodic Table, bonds, gas laws, solutions, acids and bases, and oxidasic reduction reaction. This class is designed for students who plan to attend a four-year university.

## **HONORS CHEMISTRY I**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *Honors Physical Science and Honors Algebra II (Honors Algebra II can be taken concurrently)*

Chemistry will include an accelerated study of atomic structure, the Periodic Table, bonds, gas laws, solutions, acids and bases, and oxidasic reduction reaction. It is recommended for students who plan to major in an allied health, math, or science field in college. A scientific calculator is required.

## **STANDARD PHYSICS**

GRADE LEVEL: 11, 12

PREREQUISITE: *Biology I and Physical Science*

The focus of this course will be on real-world physics which will include designing and building machines and structures. This class will count as the third lab science requirement for high school graduation and is recommended for students who plan to attend a community/technical college or enter the workforce.

## **HONORS PHYSICS (May not be offered again until 2019-2020)**

GRADE LEVEL: 11, 12

PREREQUISITE: *Honors Advanced Algebra & Trigonometry or Honors Pre-Calculus Trigonometry or Honors Pre-Calculus can be taken concurrently)*

*Honors Physics* will include an introduction of motion, force, energy, heat, sound, light waves and circuits. It is recommended for students who plan to major in an allied health, math, or science field in college. A scientific calculator is required.

## **SOCIAL STUDIES**

### **PERSONAL FINANCE (1/2 CREDIT)**

GRADE LEVEL: 10

PREREQUISITE: *None*

*Personal Finance* is a course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. This course will provide a foundational understanding for making informed personal financial decisions. *This course is paired with ½ credit of Physical Education.*

### **STANDARD WORLD HISTORY AND GEOGRAPHY**

GRADE LEVEL: 9-12

PREREQUISITE: *None*

This course is the study of the chronological events of recorded history beginning with the Age of Revolution (1750) to present day. An emphasis is placed on cultural and political changes and how those changes influence today. Each unit of study will be related to current national and global concerns.

### **HONORS WORLD HISTORY AND GEOGRAPHY**

GRADE LEVEL: 9-12

PREREQUISITE: *Incoming freshmen must have an "A" in 7<sup>th</sup> and 8<sup>th</sup> grade Social Studies classes. Upperclassmen: Recommendation of Social Studies or English teacher*

This course is designed for students who plan to attend a four-year university. It is a vigorous course covering the chronological events of history beginning with the Age of Revolution (1750) to the present day. Outside research, reading projects and classroom presentations will be required of students. Students will be assigned group as well as independent projects.

### **STANDARD GOVERNMENT (1/2 CREDIT)/Paired with Standard Economics**

GRADE LEVEL: 12

PREREQUISITE: *None*

The purpose of this course is to give students a foundation in how government in the United States, at all levels, works and how they can participate in it. The course covers the various government branches and agencies. Examples and case studies will also show students that people can make a difference in what happens in this nation. Our country's role in the global community is also emphasized. *\*State-mandated Civics test (graduation requirement) will be administered in this course.*

### **HONORS GOVERNMENT (1/2 CREDIT)/Paired w/Honors Economics**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *Recommendation of Honors World History teacher*

This course involves the study of democratic values, constitutional framework, and the dynamics of the US political system. Emphasis will be placed on the branches of government as they relate to our past and present democratic challenges. State and local governments will be examined including their involvement in federal issues and current trends. Outside readings in current periodicals will be required. Students will be assigned group as well as independent projects. *\*State-mandated Civics test (graduation requirement) will be administered in this course.*

### **STANDARD ECONOMICS (1/2 CREDIT)/Paired with Standard Government**

GRADE LEVEL: 12

PREREQUISITE: *None*

*Standard Economics* is a survey course acquainting students with the various elements of the American economic system, with emphasis on supply and demand, business cycles, consumer awareness, and banking systems. Students will be exposed to information, which will allow them to better understand how our nation's economic system developed and how it differs from other systems. Students will also gain skills and knowledge necessary to effectively participate in the American system.

### **HONORS ECONOMICS (1/2 CREDIT)/Paired with Honors Government**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *Recommendation of Honors World History teacher*

This course presents an overview of economic principles including economic problems, supply and demand, the economics of the firm, competition and monopoly, resource markets, and international trade. Inflation, unemployment, fiscal and monetary policy, and current trends in global and domestic economics will be explored. Students will be required to participate in class and assigned group as well as independent projects.

### **STANDARD U.S. HISTORY**

GRADE LEVEL: 11, 12

PREREQUISITE: *None*

*Standard U. S. History* will include a survey of course work covering the various personalities, events, and periods in the history of the United States beginning in 1877 with Industrialization and working up to the present. Emphasis is placed on development of thinking skills, basic knowledge, and student understanding of concepts for good citizenship.

### **HONORS U.S. HISTORY**

GRADE LEVEL: 11, 12

PREREQUISITE: *Social Studies teacher recommendation*

*Honors U. S. History* is the study of the various events and personalities which have shaped the great American nation. The course is both topical and chronological and will cover military, social, political, and economic histories beginning in 1877 with Industrialization and working up to the present day. Students will be encouraged to develop pride in their nation's heritage and to dedicate themselves to active participation in their country's future. Students will investigate how the U.S. became a world leader and what obligations this position requires of its citizens. The course leads to the development of and appreciation for the sacrifices made by our ancestors to provide the current generation with freedom and democracy. The course will also explain the role of the United States in the global community of the 21st century.



## ADVANCED PLACEMENT U.S. HISTORY

GRADE LEVEL: 11, 12

PREREQUISITE: *Social Studies teacher recommendation; Honors English 10 or enrollment in Honors English 11; summer reading*

CREDITS: 2 (Year-long)

*AP U. S. History* is a challenging course that is meant to be the equivalent of a freshmen college course and can earn students college credit if they successfully pass the AP exam in the spring. This course is a two-semester survey of American History in which the student will study the underlying meanings behind major events including Exploration, Reconstruction, Rise of Industrial United States and present day. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography. Cost of the exam is approximately \$92.00.

## ADVANCED PLACEMENT EUROPEAN HISTORY

GRADE LEVEL: 10, 11, 12

PREREQUISITES: *Honors World History; Social Studies teacher recommendation; enrollment in Honors English*

CREDITS: 2 (Year-long)

*AP European History* focuses on developing students' abilities to think conceptually about European history from 1450 to the present. This college level class requires students to reason historically about continuity and change over time and to make comparisons among various historical developments in different times and places. A variety of learning strategies is utilized with an emphasis on reading from a supplemental reading list, essay writing, class discussion, and multiple-choice testing. Preparation for the Advanced Placement Examination is the central objective for the course. Students will be expected to take the Advanced Placement Examination upon completion of this course. The cost of the exam is approximately \$92.00.

## STANDARD SOCIOLOGY

GRADE LEVEL: 11, 12

PREREQUISITE: *None*

CREDIT: ½

This course surveys major sociological perspectives, theories, methods, and ideas. Students will examine the origins of sociology as a discipline to the formation of current social problems. A key objective in this course is the development of sociological imagination. Students will work toward understanding the major concepts of the course, improving critical thinking, reading, verbal, and writing skills, along with developing a strong communal learning environment. *\*This course is a ½ credit course and will be paired with ½ credit of ACT Prep.*

## HONORS PSYCHOLOGY

GRADE LEVEL: 11, 12

PREREQUISITE: *Social Studies teacher recommendation*

*Honors Psychology* allows students to study individual human behavior and serves as a vehicle for students to learn more about themselves. Subjects covered include personality, learning, intelligence, attitudes and values, mental illness, mental retardation, and perception. Students learn a variety of techniques to cope with everyday situations and prepare for future college studies or careers. This course is designed for college-bound students regardless of their chosen majors. Outside reading, library research and oral presentations are required for this class. Students will also be assigned group as well as independent projects.

## HONORS DUAL ENROLLMENT GENERAL PSYCHOLOGY (PSY 101)

GRADE LEVEL: 11, 12

PREREQUISITE: *ACT subscores of 18 for English and 19 for English and 3.0 in social studies courses*

This course is designed to provide an overview of the field of psychology and human behavior. The topics of philology, history, biology, learning, personality, abnormal behavior, treatment, applied memory, intelligence, motivation, consciousness, perception, and sensory are included. This course enables a student to earn three credit hours from Volunteer State Community College.

**Cost:** See last page of this catalog.

## CAREER & TECHNICAL EDUCATION

*Fees are required in all Career and Technical Education classes in addition to the general student fee.*

## AGRICULTURE, FOOD, & NATURAL RESOURCES

### STANDARD AGRISCIENCE

GRADE LEVEL: 9, 10

PREREQUISITE: *None*

*Standard Agriscience* is an introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. This course helps students understand the important role that agricultural science and technology serves in the 21st century. **This course counts as a lab science credit toward graduation and college entrance requirements but cannot be substituted for Biology I or Chemistry.**

*\*FFA IS AN INTEGRAL PART OF THIS CLASS. Extracurricular activities are encouraged but not mandatory.*

### HONORS AGRISCIENCE

GRADE LEVEL: 9, 10

PREREQUISITE: *At least a "B" in 8<sup>th</sup> grade science or 9<sup>th</sup> grade Physical Science and at least a "B" in 8<sup>th</sup> grade English or 9<sup>th</sup> grade English*

*Honors Agriscience* is an accelerated introductory laboratory science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. This course helps students understand the important role that agricultural science and technology serves in the 21st century. **This course counts as a lab science credit toward graduation and college entrance requirements but cannot be substituted for Biology I or Chemistry.** Students in this class will be required to develop an Agriscience research project. This project will be worked on in class as well as outside of class. *\*FFA IS AN INTEGRAL PART OF THIS CLASS. Extracurricular activities are encouraged but not mandatory.*

## **PRINCIPLES OF AGRICULTURE MECHANICS**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *Agriscience and Instructor's approval*

*Agricultural Mechanics* includes standards to prepare students for operational procedures for a shop or a home environment. Students learn basic skills in areas, including welding, electricity, land measurement, and plumbing. As students enter the 21st century, they need to have skills that can be used in a rural or an urban environment. FFA IS AN INTEGRAL PART OF THIS CLASS. Extracurricular activities are encouraged but not mandatory.

## **SMALL ANIMAL SCIENCE**

GRADE LEVEL: 10, 11 (12<sup>th</sup> with instructor approval)

PREREQUISITE: *Agriscience or Principles of Agriculture*

*Small Animal Science* contains objectives to prepare students for careers in managing and caring for specialty and companion animals. As our population raises more specialty and companion animals for production purposes and personal value, careers that work with these animals in a safe environment will continue to expand. FFA IS AN INTEGRAL PART OF THIS CLASS. Extracurricular activities are encouraged but not mandatory.

## **PRINCIPLES OF PLANT SCIENCE AND HYDROCULTURE**

GRADE LEVEL: 10, (11<sup>th</sup>, 12<sup>th</sup> with Instructor approval)

PREREQUISITE: *Agriscience*

This course's objective is to provide the student with an introduction to horticulture with studies in greenhouse operations, garden center operations, turf management, and related industries. Curriculum covers everything from botany to marketing. This course is designed as an introductory class for students tracking in horticulture related classes. FFA IS AN INTEGRAL PART OF THIS CLASS. Extracurricular activities are encouraged but not mandatory.

## **AGRICULTURE AND BIOSYSTEMS ENGINEERING (Ag Engineering)**

GRADE: 11-12

PREREQUISITE: *Agriscience, Principles of Agriculture Mechanics and instructor approval*

*Agriculture and Biosystems Engineering* is a capstone course that prepares students for further study or careers in engineering, environmental science, agricultural design and research, and agricultural mechanics. Special emphasis is given to the many modern applications of geographic information systems (GIS) and global positioning systems (GPS) to achieve various agricultural goals. Agricultural Engineering includes standards on metal fabrication and agriculture structures. Subject matter will include hot/cold metal work, cost and material computation, electrical wiring, engine service and repair, blueprint reading, drawing and selection of appropriate materials for projects.

## **LANDSCAPING AND TURF SCIENCE**

GRADE: 11-12

PREREQUISITE: *Agriscience, Principles of Plant Science*

*Landscaping and Turf Science* is an applied-knowledge course designed to provide challenging academic standards and relevant technical knowledge and skills needed for further education and careers in landscape design, maintenance, and turf management. Content includes site analysis and planning, principles of design, and plant selection and care techniques. This course rotates with Greenhouse Management.

## **LARGE ANIMAL SCIENCE**

GRADE: 11-12

PREREQUISITE: *Agriscience and Small Animal Care*

*Large Animal Science* is an applied course in veterinary and animal science for students interested in learning more about becoming a veterinarian, vet tech, vet assistant, or pursuing a variety of scientific, health, or agriculture professions. This course covers anatomy and physiological systems of different groups of large animals, as well as careers, leadership, and history of the industry. The course rotates with Veterinary Science.

## **WORK-BASED LEARNING**

GRADE LEVEL: 11, 12

PREREQUISITE: 2 credits in focus area and recommendation from focus area teacher

Work-based learning (WBL) is an opportunity for students to build on classroom-based instruction to develop employability skills that prepare them for success in postsecondary education and future careers. Juniors and seniors (16 years or older) may earn up to 4 high school credits for capstone WBL experiences. The WBL experience must be in the student's focus area and two credits in the focus area must have been earned before enrolling in the WBL class.

## **BUSINESS AND MARKETING**

*The CTSOs offered through the Business and Marketing Department will include both FBLA and DECA. FBLA will be leadership focused and DECA will be competition driven.*

*Future Business Leaders of America (FBLA) club activities are an integral part of our classroom curriculum as mandated by the State of Tennessee, although the membership is optional and each business student is encouraged to enroll as a member. FBLA dues are \$15.00 per year. Club activities are a vital part of our program: developing leadership skills, school and community involvement, decision-making skills, and being part of a team to contribute to the growth of each student.*

*DECA is an organization for marketing students that are interested in careers in the fields of marketing, management, entrepreneurship, finance, and hospitality. DECA promotes competition, community service, leadership, and professional responsibility. DECA club activities are an integral part of our classroom curriculum as mandated by the State of Tennessee, and although the membership is optional, each student should consider joining DECA. DECA dues are \$15.00 per year. Through joining DECA students will develop leadership skills, interview/presentation skills, and job seeking skills.*

## **BUSINESS:**

### **COMPUTER APPLICATIONS**

GRADE LEVEL: 9-12

PREREQUISITE: *None*

Computer Applications is a foundational course intended to teach students the computing fundamentals and concepts involved in the proficient use of common application software such as Word, Excel, Access and PowerPoint. Upon completion of this course, students will gain basic proficiency in word processing, spreadsheets, databases, and presentations. In addition, students will have engaged in key critical thinking skills and will have practiced ethical and appropriate behavior required for the responsible use of technology.

### **ADVANCED COMPUTER APPLICATIONS**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *At least a "C" in Computer Applications*

Advanced Computer Applications will build extensively on the skills that were learned in Computer Applications. This course prepares students to continue postsecondary training in business-related programs, provides advanced training for students pursuing a career in administrative and information support, and supports obtaining an industry certification in specific software applications (Microsoft Office). Course content and projects are meant to simulate workplace scenarios and draw on skills related to communications, operations, management, and teamwork in order to accomplish information management goals. Upon completion of this course, proficient students will be fluent in a variety of information management software applications such as Word, Excel, PowerPoint and Access.

### **BUSINESS COMMUNICATIONS**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *At least a "C" in Computer Applications*

Business Communications is a course designed to develop students' effective oral and electronic business communications skills. This course develops skills in multiple methods of communications including social media, as well as electronic publishing, design, layout, composition, and video conferencing with emphasis being placed on business communications through creation of documents using InDesign and Photoshop CS6. Upon completion of this course, proficient students will be able to demonstrate successful styles and methods for professional business communications using the proper tools to deliver effective publications and presentations.

### **BANKING & FINANCE**

GRADE LEVEL: 11, 12

PREREQUISITE: *Banking Instructor's approval*

CREDITS: 2 (Year-long)

This course is designed to provide students with personal banking knowledge and the skills to make personal financial decisions. This course will have hands-on banking experience.

### **BUSINESS MANAGEMENT (YEARBOOK)**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *Computer Applications and Yearbook Instructor's approval*

CREDITS: 2 (Year-long)

Over the course of this year, students will be responsible for creating the school's yearbook. Students will learn photography skills, journalism skills, computer skills, marketing skills, and most importantly, you will learn how to work as a group to design and complete our yearbook. In this class, students will cover each of the marketing functions in a real world business setting by being able to create, research, finance, promote, sell, price, and distribute a product. Skills developed in previous business and marketing courses will be very useful on the yearbook staff. Students are responsible for taking photographs during school and after school events, distributing yearbooks on one stop nights, scheduling and working on picture days, interviewing and writing stories, using yearbook software, planning promotions, selling advertisements, and working with all staff members to create the 2018 yearbook. *There is an attendance grade for this course.*

### **WORK-BASED LEARNING**

GRADE LEVEL: 11, 12

PREREQUISITE: 2 credits in focus area and recommendation from focus area teacher

Work-based learning (WBL) is an opportunity for students to build on classroom-based instruction to develop employability skills that prepare them for success in postsecondary education and future careers. Juniors and seniors (16 years or older) may earn up to 4 high school credits for capstone WBL experiences. The WBL experience must be in the student's focus area and two credits in the focus area must have been earned before enrolling in the WBL class.

## **MARKETING:**

*Completing Marketing 1, Marketing 2, and Advertising classifies you as a completer in the Marketing Management Career Pathway. Business Practicum is offered as an upper level elective that can be taken after Marketing 2.*

### **MARKETING 1**

GRADE LEVEL: 9-12

PREREQUISITE: *None*

No matter the career you wish to seek in your future, whether it be a doctor, lawyer, or owning your own business, you will benefit from an understanding of how business works. Marketing is a fun, energetic elective for those who want to be challenged. Learning takes place through hands on group projects, case studies, discussions, and current resources that can be applied to the real world. Hands on projects include creating your own product/company, designing your own store, and developing promotions such as TV advertisements. Students are highly encouraged to be involved in DECA, a co-curricular organization for students offering scholarship, networking, and additional learning opportunities. DECA also allows for field trips and competitions across the country. DECA fees are \$15.

## **ADVERTISING AND PUBLIC RELATIONS (\*Offered Spring Semester Only\*)**

GRADE LEVEL: 10-12

PREREQUISITE: *At least a "B" in Marketing 1.*

*Advertising and Public Relations* is an applied knowledge course focusing on the concepts and strategies associated with promoting products, services, ideas, and events. Students taking this course will develop print advertisements, broadcast advertisements, social media campaigns, and publicity campaigns. This course addresses skills essential to the creative side of the industry and explores consumer behavior patterns and motivations for buying. Upon completion of this course, proficient students will be able to demonstrate understanding in fundamental advertising and public relations concepts by creating an electronic portfolio of representative course projects. Students are highly encouraged to be involved in DECA, a co-curricular organization for students offering scholarship, networking, and additional learning opportunities. DECA also allows for field trips and competitions across the country. DECA fees are \$15.

## **HONORS MARKETING 2 (\*Offered Fall Semester Only\*)**

GRADE LEVEL: 11-12

PREREQUISITE: *At least a "B" in Marketing 1 and Instructor's recommendation. Must be a dues paid DECA member and sign contract to compete at the DECA State competition to be in the class. Basic computer skills or completion of a Computer Applications course are highly recommended.*

*Honors Marketing 2* is a project-based learning course in which students will practice advanced marketing strategies through developing written marketing plans. Students should be prepared to write up to a 30-page marketing plan and develop a ten minute presentation over the plan for the semester capstone project. Students will have the opportunity to work with local businesses and organizations for the development of their marketing plan. Students taking Honors Marketing 2 are REQUIRED to be dues paid members of DECA. DECA dues are \$15. Students must also sign a contract that they will complete the capstone project and compete with that project at the DECA State Competition.

## **HONORS BUSINESS PRACTICUM (\*Offered Fall Semester Only\*)**

GRADE LEVEL: 11-12

PREREQUISITE: *At least a "B" in Marketing 1 and Marketing 2 and Instructor's recommendation. Must be a dues paid DECA member and sign contract to compete at the DECA State competition to be in the class. Basic computer skills or completion of a Computer Applications course are highly recommended.*

*Honors Business Practicum (Marketing 3)* is a project-based learning course in which students will practice advanced marketing strategies through developing written marketing plans about the implementation of large scale projects. For their large scale projects students will organize events that benefit the school, community, and local businesses. Students should be prepared to write up to a 30-page marketing plan and develop a ten-minute presentation over the plan for the semester capstone project. The course is structured to allow students the creativity to develop, launch, and market original business and community project ideas. It is ideal for students who wish to pursue careers as future business owners, entrepreneurs, or event planners. Students taking Honors Business Practicum are REQUIRED to be dues paid members of DECA. DECA dues are \$15. Students must also sign a contract that they will complete the capstone project and compete with that project at the DECA State Competition.

## **HONORS VIRTUAL ENTERPRISE**

GRADE LEVEL: 11, 12

PREREQUISITE: *Advanced Computer Applications and Marketing 1 are recommended; VE Instructor's approval.*

CREDITS: 2 (Year-long)

*Virtual Enterprise International (VE)* is a simulated business environment. The VE students will be involved in actual on- the-job work experiences, including accounting, personnel administration, management and marketing. The only difference between the VE and an actual business is that no material goods are produced or legal tender exchanged. However, services will be provided. Working in a team, the student will develop and enhance oral and written communication skills through taking initiative, responsibility, and creativity. The VE experience will weave together several academic disciplines and occupational subjects, thereby overcoming fragmentation of subjects. The course will link learning to application and real life experiences. The goal is to create a learning environment that, through a series of activities, integrates school and workplace to enhance learning. Laboratory facilities and experiences simulate those found in business and industry.

## **WORK-BASED LEARNING**

GRADE LEVEL: 11, 12

PREREQUISITE: 2 credits in focus area and recommendation from focus area teacher

Work-based learning (WBL) is an opportunity for students to build on classroom-based instruction to develop employability skills that prepare them for success in postsecondary education and future careers. Juniors and seniors (16 years or older) may earn up to 4 high school credits for capstone WBL experiences. The WBL experience must be in the student's focus area and two credits in the focus area must have been earned before enrolling in the WBL class.

## **COSMETOLOGY**

### **COSMETOLOGY I (formerly Principles of Cosmetology)**

GRADE LEVEL: 9, 10

PREREQUISITE: *None*

This course, which is the first level of cosmetology, prepares students with work-related skills for advancement. Content provides students with the opportunity to acquire basic fundamental skills in both theory and practical application of self-maintenance, leadership and interpersonal skills development. Because students are earning hours toward licensure, excessive absences in this course could result in being dropped from the program.

### **COSMETOLOGY II (formerly Design Principles of Cosmetology)**

GRADE LEVEL: 10,11, 12

PREREQUISITE: *Principles of Cosmetology and teacher recommendation*

CREDIT: 2 (YEAR-LONG)

This course is for the advanced cosmetology student performing work-related services on customers along with classroom work. Students will prepare for the *Advanced Chemistry of Cosmetology*. Hours will be received to prepare to meet State Board requirements. Because students are earning hours toward licensure, excessive absences in this course could result in being dropped from the program.

### **COSMETOLOGY III (formerly *Chemistry of Cosmetology*)**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *Design Principles of Cosmetology*

CREDIT: 2 (YEAR-LONG)

This course, which is the advanced level of cosmetology, prepares students to perform work-related services using chemistry. Content provides laboratory experiences. Upon completion of 1500 hours, students will be eligible to take the Tennessee Cosmetology State Board. Because students are earning hours toward licensure, excessive absences in this course could result in being dropped from the program.

### **COSMETOLOGY IV**

GRADE LEVEL: 11, 12

PREREQUISITE: Cosmetology III

CREDIT: 2 (YEAR-LONG)

This class is the advanced class which completes the program. Students will prepare for state board testing.

### **WORK-BASED LEARNING**

GRADE LEVEL: 11, 12

PREREQUISITE: 2 credits in focus area and recommendation from focus area teacher

Work-based learning (WBL) is an opportunity for students to build on classroom-based instruction to develop employability skills that prepare them for success in postsecondary education and future careers. Juniors and seniors (16 years or older) may earn up to 4 high school credits for capstone WBL experiences. The WBL experience must be in the student's focus area and two credits in the focus area must have been earned before enrolling in the WBL class.

## **HEALTH SCIENCE**

### **HEALTH SCIENCE EDUCATION**

GRADE LEVEL: 9, 10, 11 (12<sup>th</sup> with Instructor Approval)

PREREQUISITE: *Incoming freshmen must have an "A" in 8<sup>th</sup> grade Science*

This is an introductory course designed to prepare students to pursue careers in the fields of biotechnology research, therapeutics, health informatics, diagnostics, and support services. Upon completion of this course, a student proficient in *Health Science Education* will be able to identify careers in these fields, compare and contrast the features of healthcare systems, explain the legal and ethical ramifications of the healthcare setting, and begin to perform foundational healthcare skills. This course will serve as a strong foundation for all of the health science programs of study.

### **DIAGNOSTIC MEDICINE**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *At least a "C" in Health Science Education*

*Diagnostic Medicine* creates a picture of an individual's health status at a single point in time. This class will explore lab tests commonly used in practice, venipuncture, reading x-rays and EKGs, plus much more. This could include the following careers and career areas: audiology, cardiology, imaging, medical laboratory, radiography, nuclear medicine, stereotactic radiosurgery, cytotechnology, clinical laboratory technician, pathology, medical physician, histotechnology.

### **MEDICAL THERAPEUTICS**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *At least a "C" in Health Science Education*

This is an applied course designed to prepare students to pursue careers in therapeutic services. Upon completion of this course, proficient students will be able to identify careers in therapeutic services; assess, monitor, evaluate, and report patient/client health status; and identify the purpose and components of treatment. The student will incorporate communication, goal setting, and information collection skills to be successful in the workplace.

### **ANATOMY AND PHYSIOLOGY (Fall Term)**

GRADE LEVEL: 11,12

PREREQUISITE: *At least a "B" In Medical Therapeutics or Diagnostic Medicine*

*Anatomy and Physiology* is an upper level course that includes an in-depth study of all human body systems. Students will explore the structures and functions of both the healthy and diseased human body while developing knowledge and skills associated. Students will develop a deeper knowledge of all body systems, identify organs and structures of the support and movement systems, relate the structures and functions of the communication, control, regulatory, transportation, respiration, excretory and reproductive systems. This course is a strenuous lecture style class that will require study time and work outside of regular class time.

### **NURSING EDUCATION (Spring Term)**

GRADE LEVEL: 11, 12

PREREQUISITE: *At least a "B" in Medical Therapeutics or Diagnostic Medicine and Anatomy & Physiology*

CREDIT: 2 (spring term/2 blocks)

*Nursing Education* is a capstone course designed to prepare students to pursue careers in the field of nursing. Upon completion of this course, a proficient student will be able to implement communication and interpersonal skills, maintain residents' rights and independence, provide care safely, prevent emergency situations, prevent infection through infection control, and perform the skills required of a nursing assistant. At the conclusion of this course, if students have logged 40 hours of classroom instruction and 20 hours of classroom clinical instruction, and if they have completed 40 hours of site-based clinical with at least 24 of those hours spent in a long-term care facility, then they are eligible to take the certification examination as a Certified Nursing Assistant (CNA). Prior to beginning work at a clinical site, students must be certified in Basic Life Support (BLS) Cardiopulmonary Resuscitation (CPR), and deemed competent in basic first aid, body mechanics, Standard Precaution guidelines, and confidentiality. Standards in this course are aligned with Tennessee State Standards in English Language Arts & Literacy in Technical Subjects, Tennessee State Standards for Anatomy & Physiology, and Tennessee Nursing Education Training Program requirements. Students enrolled in this course who wish to pursue certification must spend a minimum of 40 hours in a clinical setting. Twenty-four of the 40 hours must be spent in a long-term care facility, and the remainder can take place in any setting that employs certified nursing assistants.

## **HUMAN SERVICES**

All Human Services classes require a supply charge. Family, Career and Community Leaders of America (FCCLA) is an integral part of the curriculum. The Human Services department offers pathways in Education and Training, Social and Mental Health Services, and Dietetics and Counseling.

### **TEACHING AS A PROFESSION I (TAP I)**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *Fundamentals of Education (which may be offered again in 2018-2019)*

*Teaching As A Profession I (TAP I)* is an applied-knowledge course for students interested in learning more about becoming a school counselor, teacher, librarian, or speech-language pathologist. This course covers the components of instruction, teaching strategies, types of assessments, student learning, special populations, and educational technology. Students in this course will conduct observations of educators at work and create artifacts for a course portfolio. The prerequisite to this course, *Fundamentals of Education*, may be offered again in 2018-2019.

### **INTRODUCTION TO HUMAN STUDIES**

GRADE LEVEL: 9, 10

PREREQUISITE: *None*

This class is an introductory course for students interested in becoming a public advocate, social worker, dietician, nutritionist, counselor, therapist, parent or a community volunteer. This course covers counseling and social services, career investigation, stress management, mental illness, communication, and the counseling process. The course is the first class for students interested in completing paths of study in nutrition or social and mental health/lifespan development related areas. Basic information in family and consumer science is incorporated into the curriculum.

### **FOUNDATIONS OF FASHION DESIGN I**

GRADE LEVEL: 9-12

PREREQUISITE: *None*

*Foundations of Fashion Design* introduces students to the rich history of the fashion industry and the basic design principles that are integral to its operation. This course studies the history of the fashion industry, elements and principles of design, textile history and composition, as well as basic construction principles. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. Students will be required to purchase sewing supplies and fabric for all projects in addition to the regular course fee.

### **FASHION DESIGN II**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *Foundations of Fashion*

*Fashion Design* is an applied-knowledge course intended to prepare students to pursue careers in the fashion industry. Building on the knowledge acquired in *Foundations of Fashion Design*. This course places special emphasis on apparel manufacturing and merchandising, marketing applications, and products and service management. In addition, students will explore trends in fashion design and engage with industry-specific technologies used to produce a variety of fabrics, garments, and accessories. Upon completion of this course, proficient students will have created an original fashion collection. Students will be required to purchase sewing supplies and fabric for all projects in addition to the course fee.

### **NUTRITION ACROSS THE LIFESPAN (Nutrition and Foods)**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *None*

*Nutrition across the Lifespan* is for students interested in learning more about becoming a dietitian, nutritionist, or pursuing a variety of scientific, health, or culinary arts professions. This course covers human anatomy and physiological systems, nutritional requirements, as well as social, cultural, and other impacts on food preparation and integrity. Basic food preparation, food safety and nutrition throughout life complete the course.

### **LIFESPAN DEVELOPMENT**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *None*

*Lifespan Development* builds basic knowledge in human growth and development. The course includes principles of behavior and growth of children from conception through adolescence, adult development and aging, death and dying and developmental theories. This is the second course in the social and mental health pathway. Students will select a parenting/infant development project to complete during the term. Students who plan to pursue careers working with children and adults will find this a beneficial elective.

### **FAMILY STUDIES**

GRADE LEVEL: 10, 11, 12

PREREQUISITE: *None*

*Family Studies* is an applied knowledge course that examines the diversity and changing structure of the family along with issues families face in today's society. The course focuses on history and changes in relationships, parenting and the effects of stress on the family. This course is beneficial for students pursuing careers working with families.

### **WORK-BASED LEARNING**

GRADE LEVEL: 11, 12

PREREQUISITE: 2 credits in focus area and recommendation from focus area teacher

Work-based learning (WBL) is an opportunity for students to build on classroom-based instruction to develop employability skills that prepare them for success in postsecondary education and future careers. Juniors and seniors (16 years or older) may earn up to 4 high school credits for capstone WBL experiences. The WBL experience must be in the student's focus area and two credits in the focus area must have been earned before enrolling in the WBL class.

## **LAW ENFORCEMENT SERVICES**

### **PRINCIPLES OF LAW, CORRECTIONS, AND SECURITY**

GRADE LEVEL: 9, 10 (11<sup>th</sup> with instructor approval)

PREREQUISITE: *Incoming freshmen must have at least a "B" in 8<sup>th</sup> grade English.*

*Principles of Law, Corrections, and Security* is an introductory course designed to prepare students to pursue careers in the fields of law enforcement, legal services, corrections, and security. Upon completion of this course, a proficient student will be able to identify careers in these fields, summarize the laws that govern the application of justice, and draw key connections between the history of the criminal justice system and the modern legal system. In addition, students will model the professional, moral, and ethical standards required of professionals in the fields of law, legal services, corrections, and security.

### **CRIMINAL JUSTICE I**

GRADE LEVEL: 10, 11

PREREQUISITE: *At least a "C" in Principles of Law, Corrections, and Security.*

*Criminal Justice I* is the second course in *Law Enforcement Services* and the *Legal and Correctional Services* programs of study. It serves as a comprehensive survey of how the law enforcement, legal, and correctional systems interact with each other in the United States. Current issues will be researched in the context of local, state, and federal laws. Investigative skills will be developed in the areas of drug use, incident documentation and basic crime scene investigation. Additionally, upon completion of the course, students will understand the importance of communications and professionalism in law enforcement.

### **CRIMINAL JUSTICE II**

GRADE LEVEL: 11 (12<sup>th</sup> with instructor approval)

PREREQUISITE: *At least a "C" in Criminal Justice I*

*Criminal Justice II* is an integrated survey of the law and justice systems for students interested in pursuing careers in law enforcement and legal services. From initial crisis scenario management to arrest, transport, trial, and corrections, procedures and laws governing the application of justice in the United States are examined in detail, with special emphasis on the best practices and professional traits required of law enforcement and legal professionals. This course prepares students for advanced work in crime scene analysis and forensic science, and offers strong knowledge and skill preparation for postsecondary or career opportunities in associated fields.

### **CRIMINAL JUSTICE III: INVESTIGATIONS**

GRADE LEVEL: 12

PREREQUISITE: *At least a "C" in Criminal Justice II and instructor approval*

*Criminal Justice III: Investigations* is the final course designed to equip students with the knowledge and skills to be successful in the sciences of criminal investigations. Students will learn terminology and investigation skills related to the crime scene, aspects of criminal behavior, and applications of the scientific inquiry to solve crimes. By utilizing the scientific inquiry method, students will obtain and analyze evidence through simulated crime scenes and evaluation of case studies. Upon completion of this course, proficient students will be able to identify careers forensic science and criminology, summarize the laws that govern the application of forensic science, and draw key connections between the history of the forensic science system and the modern legal system.

### **WORK-BASED LEARNING**

GRADE LEVEL: 11, 12

PREREQUISITE: 2 credits in focus area and recommendation from focus area teacher

Work-based learning (WBL) is an opportunity for students to build on classroom-based instruction to develop employability skills that prepare them for success in postsecondary education and future careers. Juniors and seniors (16 years or older) may earn up to 4 high school credits for capstone WBL experiences. The WBL experience must be in the student's focus area and two credits in the focus area must have been earned before enrolling in the WBL class.

## **MACHINING TECHNOLOGY**

### **PRINCIPLES OF MANUFACTURING FOR MACHINING**

GRADE LEVEL: 9, 10

PREREQUISITES: *None*

This course focuses on essential principles that must be mastered for a person to be effective in manufacturing production work. The course is intended for students more interested in production than engineering. The course covers customers, quality principles and processes, systems, information in the workplace, the business of manufacturing, and statistical process control. The course is contextual by design. It connects what is being learned to the learner's current experience, past knowledge, and future conduct. Wherever possible, real-world or simulation hands-on experiences become the context in which instruction is delivered.

### **PRINCIPLES OF MACHINING I**

GRADE LEVEL: 9, 10, 11

PREREQUISITE: *At least a "C" in Principles of Manufacturing and instructor's approval*

This course focuses on the essential principles that must be mastered for a person to be effective in manufacturing production work. The course is intended for students who are interested in production that integrates machining and engineering. Class instruction covers professional communications with customers; quality principles and processes; systems; information in the workplace; the process of product design to machine parts; and statistical process control. The course is contextual in design and connects what is being learned to the learner's current experience, past knowledge, and future conduct. Wherever possible, real-world or simulation hands-on experiences become the context in which instruction is delivered.

### **PRINCIPLES OF MACHINING II (Fall term)**

GRADE LEVEL: 11, 12

PREREQUISITE: *At least a "C" in Principles of Machining I and instructors' approval. Paired with Manufacturing Practicum-Machining which is offered in the spring.*

This course focuses on the concepts and practices that support careers in manufacturing, machining field, industrial maintenance, metrology, automation, industrial design, or industrial support. The course introduces the technology of machining and manufacturing processes. While working as team members, students will apply leadership and organizational skills relating to designing, producing, and maintaining a product. Emphasis is placed on

quality control, codes and standards, and production systems. The course is contextual by design. The course connects what is being learned to the learner's current experience, past knowledge, and future conduct. Laboratory exercises provide active and cooperative learning opportunities.

### **MANUFACTURING PRACTICUM/MACHINING (Spring Term)**

GRADE LEVEL: 11, 12

PREREQUISITE: *At least a "C" in Principles of Machining II and instructor's approval. Paired with Principles of Machining II which is offered in the fall.*  
This course is designed for students interested in entering the workforce or pursuing higher education in the manufacturing area. The class requires students to solve problems in a real-world manufacturing context. Problems address critical areas identified by industry and supported by relevant national standards. The course is structured as a series of simulation units. The simulations require students to identify problems in a manufacturing company based on data supplied in typical management reports. Students work in teams of four to six; teams test and refine proposed solutions with computer simulations. All teams work on the same problems concurrently. At the end of each unit, students present team findings and recommendations to the class and to a panel of manufacturing industry representatives, which acts as the board of directors.

### **WORK-BASED LEARNING**

GRADE LEVEL: 11, 12

PREREQUISITE: 2 credits in focus area and recommendation from focus area teacher

Work-based learning (WBL) is an opportunity for students to build on classroom-based instruction to develop employability skills that prepare them for success in postsecondary education and future careers. Juniors and seniors (16 years or older) may earn up to 4 high school credits for capstone WBL experiences. The WBL experience must be in the student's focus area and two credits in the focus area must have been earned before enrolling in the WBL class.

## **PRODUCTION DESIGN**

### **ARCHITECTURAL & ENGINEERING DESIGN I**

GRADE LEVEL: 9, 10, 11

PREREQUISITE: *None*

*Architectural & Engineering Design I* is a course in which students learn the basic concepts of scale drawings and orthographic projections by making simple two- and three-dimensional drawings using manual drafting tools and computer-aided drafting (CAD). Course content will enable students to make the transition into the use of CAD software by having them make increasingly sophisticated drawings.

### **ARCHITECTURAL & ENGINEERING DESIGN II**

GRADE LEVEL: 10, 11

PREREQUISITE: *At least a "C" in Architectural & Engineering Design I and instructor's approval*

*Architectural & Engineering Design II* is a course in which students learn advanced two-dimensional and basic three-dimensional concepts of scale drawings and orthographic projections using a software program. Course content will enable individual students to create increasingly sophisticated drawings using a software program and will culminate in the creation of a complete set of construction and/or assembly drawings for a mechanical project.

### **ARCHITECTURAL & ENGINEERING DESIGN III**

GRADE LEVEL: 11, 12

CREDITS: 2 (YEAR-LONG)

PREREQUISITE: *At least a "C" in Architectural Engineering Design II and Instructor's approval*

This is a course in which students will learn to use a software program to create engineering drawings including architectural, civil or plan drawings, assembly drawings, welding and process drawings, cross sections, 3D representations, bills of materials, and schedules. Emphasis is on drawings of increasing complexity.

### **WORK-BASED LEARNING**

GRADE LEVEL: 11, 12

PREREQUISITE: 2 credits in focus area and recommendation from focus area teacher

Work-based learning (WBL) is an opportunity for students to build on classroom-based instruction to develop employability skills that prepare them for success in postsecondary education and future careers. Juniors and seniors (16 years or older) may earn up to 4 high school credits for capstone WBL experiences. The WBL experience must be in the student's focus area and two credits in the focus area must have been earned before enrolling in the WBL class.

## **WELDING**

### **PRINCIPLES OF MANUFACTURING FOR WELDING**

GRADE LEVEL: 9, 10

PREREQUISITE: *None*

This is a course that will introduce students to basic skills and knowledge application to all construction trades. Topics covered include safety, construction drawings, site layout, hand and power tools, linear and angular measurements, and construction problems.

### **WELDING I (Fall term)**

GRADE LEVEL: 11

PREREQUISITE: *At least a "C" in Principles of Manufacturing for Welding. Paired with Welding II which is offered in the spring.*

This is a course in which students will learn basic skills and knowledge related to cutting and welding applications. Course content includes safe practices, career research, leadership development, and basic arc welding and thermal cutting skills. Combined with the second and third year courses, the student should be prepared for Entry Level Welder certification, as defined by American Welding Society QC10.



**WELDING II (Spring Term)**

GRADE LEVEL: 11

PREREQUISITE: *At least a "C" in Welding I. Paired with Welding I which is offered in the fall.*

This is a course designed to follow *Welding I* in which students will learn more advanced techniques and skills related to cutting and welding applications. Development of welding and cutting skills will be continued in the context of a series of projects. Combined with the third-year course, the student should be prepared for Entry Level Welding Certification, as defined by American Welding Society QC 10.

**WELDING II (Fall Term)**

GRADE LEVEL: 12

PREREQUISITE: *At least a "C" in Welding I. Paired with Manufacturing Practicum/Welding which is offered in the spring.*

This course is the second credit of *Welding II* in which students will continue to learn more advanced techniques and skills related to cutting and welding applications. Welding and cutting skills that are developed in prior courses will be used to satisfactorily complete a series of industry certification tests. Following the completion of this course, including successful passage of the industry certification tests, the student should be certified as an Entry Level Welder as defined by the American Welding Society QC10.

**MANUFACTURING PRACTICUM/WELDING (Spring Term)**

GRADE LEVEL: 12

PREREQUISITE: *At least a "C" in Welding II. Paired with the Welding II course that is offered in the fall.*

This course is for students interested in entering the workforce or pursuing higher education in the manufacturing area. The class requires students to solve problems in a real-world manufacturing context. Problems address critical areas identified by industry and supported by relevant national standards. The course is structured as a series of simulation units. The simulations require students to identify problems in a manufacturing company based on data supplied in typical management reports.

**WORK-BASED LEARNING**

GRADE LEVEL: 11, 12

PREREQUISITE: 2 credits in focus area and recommendation from focus area teacher

Work-based learning (WBL) is an opportunity for students to build on classroom-based instruction to develop employability skills that prepare them for success in postsecondary education and future careers. Juniors and seniors (16 years or older) may earn up to 4 high school credits for capstone WBL experiences. The WBL experience must be in the student's focus area and two credits in the focus area must have been earned before enrolling in the WBL class.

**OTHER****ACT PREP (1/2 credit)**

GRADE LEVEL: 11, 12

PREREQUISITE: *None*

CREDIT: ½

The ACT Prep course is designed to help students develop the skills necessary to improve ACT scores. In addition to English, science, reading and mathematics preparation, the course emphasizes test-taking strategies and techniques as well as using retired tests to continually measure progress and mastery of skills. Students will gain exposure to ACT testing situations, practice and remediation, and explanations of correct answers. A class fee is required for this course. *\*This course is a ½ credit course and will be paired with ½ credit of Standard Sociology.*

**SENIOR PROJECT**

GRADE LEVEL: 12

PREREQUISITE: *Must be a graduating senior & have earned a minimum of 20 credits. Students can earn 1 credit per term.*

*Senior Project* is a course for credit with a pass/fail grade that is not computed into the GPA. Students who fail this course the first term may not be eligible to enroll for the second term. Experiences are academic/instructional activities that may take place away from the school premises for an average of seven and one-half hours per week (a total of 135 hours is required). The purpose of this course will be to showcase the knowledge, skills, and creativity developed as a result of twelve years of education. Hours spent on this project must be unpaid/volunteer time spent in the areas of career exploration, community service, or individual skill development.

**WORK-BASED LEARNING**

GRADE LEVEL: 11, 12

PREREQUISITE: 2 credits in focus area and recommendation from focus area teacher

Work-based learning (WBL) is an opportunity for students to build on classroom-based instruction to develop employability skills that prepare them for success in postsecondary education and future careers. Juniors and seniors (16 years or older) may earn up to 4 high school credits for capstone WBL experiences. The WBL experience must be in the student's focus area and two credits in the focus area must have been earned before enrolling in the WBL class.

**NATURE AND NEEDS/Peer Buddy Mentor Program**

GRADE LEVEL: 11, 12

PREREQUISITE: *Completed Application, Teacher Recommendation, and Interview*

This class is designed for students who have a desire to work with students with disabilities. Characteristics required are strong leadership, patience, working well with others, and creativity. The peer will be asked to work one-on-one with a student or lead a group activity.

## **VOLUNTEER STATE DUAL ENROLLMENT CLASSES**

### **GRADE LEVEL: 11, 12**

In conjunction with Volunteer State Community College, the following courses may be offered at Portland High School provided that at least 15 students register for each class. Each course passed will earn college credit.

*Students must be enrolled in Volunteer State Community College.* APPLICATIONS are online @ [www.volstate.edu](http://www.volstate.edu). **Cost: Based on Volunteer State Community College tuition rate which may change after June 2017.** Books are not included in the cost. Students may be eligible for the Dual Enrollment Grant which, at the time of the publication of this catalog, could cover the cost of up to two courses per semester and up to a total of 12 credit hours (grant eligibility and any costs associated with Dual Enrollment can change at any time). See PHS Guidance Office for more information.

### **Courses currently being offered through Dual Enrollment include but are not limited to:**

#### **HONORS DUAL ENROLLMENT COLLEGE ALGEBRA (MATH 1130)-3 college credit hours**

GRADE LEVEL: 12

PREREQUISITE: *ACT Math score of 19; 3.0 GPA in mathematics courses*

This course is designed for seniors who want to combine college and high school credit and still meet requirements for high school graduation. It is equivalent to a college algebra class and enables a student to earn three credit hours from Volunteer State Community College.

#### **HONORS DUAL ENROLLMENT ENGLISH IV\* (ENGL 1010 & 1020/Composition I & II)-6 college credit hours**

GRADE LEVEL: 12

PREREQUISITE: *ACT English subscore of 18; ACT reading subscore of 19; 3.0 GPA in English courses.*

*These courses enable a student to earn six credit hours from Volunteer State Community College.*

*English 1010 Composition I* introduces writing expository compositions based primarily on analysis of essays and literary works. *English 1020 Composition II* emphasizes writing compositions based on issues raised in essays and literary works.

#### **HONORS DUAL ENROLLMENT INTRODUCTION TO FILM (ENGL 1030)-3 college credit hours**

GRADE LEVEL: 11, 12

PREREQUISITE: *ACT subscores of 18 in English and 19 in Reading; 3.0 GPA in English courses*

A general education course designed to meet the fine arts requirement. This course provides an introduction to and overview of film as an art form; emphasis is on understanding the nature of film and its place in culture, with overviews of the history and theory of film and the production process. Introduction to film counts as a required Fine Art credit in the college curriculum.

#### **HONORS DUAL ENROLLMENT GENERAL PSYCHOLOGY (PSY 101)-3 college credit hours**

GRADE LEVEL: 11, 12

PREREQUISITE: *ACT subscores of 18 in English and 19 in Reading; 3.0 GPA in Social Studies courses*

This course is designed to provide an overview of the field of psychology and human behavior. The topics of philology, history, biology, learning, personality, abnormal behavior, treatment, applied memory, intelligence, motivation, consciousness, perception, and sensory are included. This course enables a student to earn three credit hours from Volunteer State Community College.

#### **HONORS DUAL ENROLLMENT FUNDAMENTALS OF SPEECH (COM 100)-3 college credit hours**

GRADE LEVEL: 11, 12

PREREQUISITE: *ACT English subscore of 18; ACT reading subscore of 19; 3.0 GPA in English courses*

This course is an introduction to the communication process, interpersonal communication, group discussion, and public speaking. Students are required to prepare and deliver speeches. This course enables a student to earn three credit hours from Volunteer State Community College.

## ACADEMIC PLAN WORKSHEET

Student Name: \_\_\_\_\_

**High School Diploma Requirements:**

<b>English</b>	<b>4</b>
<b>Math</b> (Algebra I, Geometry, Algebra II, one additional math beyond Algebra II)	<b>4</b>
<b>Science</b> (Biology, Chemistry or Physics, an additional laboratory science)	<b>3</b>
<b>Social Studies</b> (World History/Geography, US History, Economics, Government)	<b>3</b>
<b>Wellness</b>	<b>1</b>
<b>Physical Education</b>	<b>½</b>
<b>Personal Finance</b>	<b>½</b>
<b>Foreign Language</b> (2 units of same language; may be waived in some circumstances)	<b>2</b>
<b>Fine Arts</b> (May be waived in some circumstances)	<b>1</b>
<b>Elective Focus</b> (3 units in an area of focus)	<b>3</b>
<b>Additional Electives</b>	<u><b>4</b></u>
<b>TOTAL required for graduation</b>	<b>26</b>

*You are encouraged to fill in the chart below in order to plan your high school course path to ensure that you have met all graduation requirements. The courses must be taken in the year indicated in the chart, and the remaining courses may be taken at any time.*

9th	10th	11th	12th
English	English	English	English
Algebra I-A	Algebra II-A	Geometry	Math
Algebra I-B	Algebra II-B		
Physical Science	Biology	Chemistry or Physics	
World History/Geography (or grade 10)		U. S. History	Econ/Govt (or grade 11)
Wellness	Personal Finance/PE		

## PHS Academic Elective Focus Offerings 17-18

(Please check the Registration Catalog for prerequisites.)

<b><u>AP – Choose 3</u></b>	<b><u>Math/Science-Choose 10</u></b> <i>(7 of the 10 are normal graduation requirements)</i>	<b><u>Humanities – Choose 12</u></b> <i>(9 of the 12 are normal graduation requirements)</i>
<p>AP European History I &amp; II            AP US History I &amp; II            AP Biology I &amp; II            AP Calculus AB I &amp; II            AP English III I &amp; II            AP English IV I &amp; II</p> <p><b><u>Fine Arts – Choose Any 4</u></b>  <i>(1 of the 4 is the normal graduation requirement.)</i></p> <p>Visual Art I            Visual Art II            Visual Art III            Visual Art IV – Studio Art</p> <p>Theatre Arts I            Theatre Arts II            Theatre Arts III            Technical Theatre Arts</p> <p>Dance</p> <p>Hon Dual Enrollment Intro to Film</p> <p>Hon Dual Enrollment Speech</p> <p>Music Theory I            Music Theory II            PHS Choir            PHS Ensemble            Instrumental Music (Band)</p>	<p>Algebra IA &amp; IB            Algebra I-Standard or Honors            Algebra IIA &amp; IIB            Algebra II – Standard or Honors            Geometry-Standard or Honors            Bridge Math            Senior Math            Adv. Algebra/Trig–Honors            Pre-Calculus – Standard or Honors            AP Calculus AB I &amp; II            Hon Dual Enrollment College Alg.</p> <p>Agriscience – Standard or Honors            Physical Science–Standard or Honors            Biology I – Standard or Honors            Chemistry I – Standard or Honors            Physics – Standard or Honors            Honors Biology II            Anat &amp; Phys –Standard or Honors            AP Biology I &amp; II</p>	<p>English I – Standard or Honors            English II – Standard of Honors            English III – Standard or Honors            English IV – Standard of Honors            AP English III – Rhetoric &amp; Comp            AP English IV – Lit &amp; Comp            Hon Dual Enrollment English IV            Shakespeare            Introductory Speech            Intermediate Speech</p> <p>Spanish I – Standard or Honors            Spanish II – Standard or Honors            Spanish III - Honors            French I – Standard or Honors            French II – Standard or Honors            French III - Honors</p> <p>Personal Finance            US History – Standard or Honors            AP US History I &amp; II            World History – Standard or Honors            US Govt - Standard or Honors            Economics – Standard or Honors            Psychology – Standard or Honors            Hon Dual Enrollment Psychology            Sociology – Standard</p>

# PHS Career & Technical Elective Focus Offerings 17-18

Choose 3 in one area. Please check the Academic Catalog for prerequisites.

*Work-Based Learning* may be substituted for the fourth class in any of the areas listed below.

<p style="text-align: center;"><b>Agriculture, Food, &amp; Natural Resources</b></p> <p><b><u>Ag Engineering &amp; Applied Technology</u></b> Agriscience (9,10) Principles of Ag Mechanics (10,11) Ag Power &amp; Equipment (11,12) Ag Biosystems Engineering (11,12)</p> <p><b><u>Veterinary &amp; Animal Science</u></b> Agriscience (9,10) Small Animal Science (10,11,12) Veterinary Science (11,12) Large Animal Science (11,12)</p> <p><b><u>Horticulture Science</u></b> Agriscience (9,10) Prin of Plant Science &amp; Hydro. (10) Greenhouse Management (11,12) Landscaping &amp; Turf Science (11,12)</p> <p style="text-align: center;"><b>Architecture &amp; Construction</b></p> <p><b><u>Architectural &amp; Engineering Design</u></b> Architectural &amp; Engineering Design I (9,10,11) Architectural &amp; Engineering Design II (10,11) Architectural &amp; Engineering Design III (11,12)</p> <p><b><u>Welding</u></b> Principles of Manufacturing for Welding (10) Welding I (11) Welding II (11) Welding III (12) Manufacturing Practicum/Weld. (12)</p> <p style="text-align: center;"><b>Arts, Audio/Visual Technology &amp; Communications</b></p> <p><b><u>Fashion Design</u></b> Visual Art I (9,10,11,12) Foundations of Fashion Design (9,10,11,12) Fashion Design (10,11,12)</p>	<p style="text-align: center;"><b>Business Management &amp; Administration</b></p> <p><b><u>Office Management</u></b> Computer Apps (9,10,11,12) Business Comm.(10,11,12) Business Management (10,11,12) Adv. Computer Apps (10,11,12)</p> <p><b><u>Business Management</u></b> Computer Apps. (9,10,11,12) Business Comm. (10,11,12) Business Management (10,11,12) Hon Virtual Enterprise (11,12)</p> <p style="text-align: center;"><b>Education &amp; Training</b></p> <p><b><u>Teaching as a Profession (K-12)</u></b> Fund. of Education (9,10,11,12) Teach. as a Profession (10,11,12)</p> <p style="text-align: center;"><b>Finance</b></p> <p><b><u>Banking &amp; Finance</u></b> Computer Applications (9,10,11,12) Banking &amp; Finance (11,12)</p> <p style="text-align: center;"><b>Health Science</b></p> <p><b><u>Therapeutic Nursing Services</u></b> Health Science Edu. (9,10,11) Medical Therapeutics (10,11,12) Anatomy &amp; Physiology (11,12) Nursing Education (11,12)</p> <p><b><u>Diagnostic Services</u></b> Health Science Educ. (9,10,11) Anatomy &amp; Physiology (11,12) Diagnostic Medicine (10,11,12)</p> <p style="text-align: center;"><b>Human Services</b></p> <p><b><u>Social Health Services</u></b> Intro to Human Studies (9,10) Lifespan Development (10,11,12) Family Studies (10,11,12) Psych. and/or Soc. (11,12)</p>	<p style="text-align: center;"><b>Dietetics &amp; Nutrition</b></p> <p>Intro to Human Studies (9,10) Nutrition Across the Lifespan (10,11,12) Psychology and/or Sociology (11,12)</p> <p><b><u>Cosmetology</u></b> Cosmetology I (10) Cosmetology II (11,12) Cosmetology III(11,12) Cosmetology IV ( 11,12)</p> <p style="text-align: center;"><b>Law, Public Safety, Corrections, &amp; Security</b></p> <p><b><u>Law Enforcement Services</u></b> Prin of Law, Corrections, &amp; Security (9,10) Criminal Justice I (10,11) Criminal Justice II (11) Criminal Justice III: Investigation (12)</p> <p style="text-align: center;"><b>Manufacturing</b></p> <p><b><u>Machining Technology</u></b> Principles of Manufacturing for Machining (9,10) Principles of Machining I (9,10) Principles of Machining II (11) Mfg. Practicum/Machining (12)</p> <p style="text-align: center;"><b>Marketing</b></p> <p><b><u>Entrepreneurship</u></b> Marketing I (9, 10,11,12) Hon Virtual Enterprise (11,12) Business Practicum (11,12)</p> <p><b><u>Marketing Management</u></b> Marketing I (9,10,11,12) Marketing II (10,11,12) Advertising &amp; Public Relations (10,11,12)</p>
---	---	---

