

# Harmony High School

## 2018-2019 Curriculum Guide



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**Table of Contents**

**Section 1 – Choosing Your Courses for 2018-2019 ..... 2**

**Section 2 – Graduation Requirements ..... 2**

Seniors.....3

Juniors .....4

Sophomores.....5

Freshmen .....6

Check Sheet.....7

**Section 3 – Planning Ahead ..... 8**

4 Year University Plan (Scholars Designation).....9

General Path (Merit Designation) ..... 10

**Section 4 – Choosing Your Core Classes ..... 11**

English ..... 11-13

Mathematics..... 14-16

Science..... 17-19

Social Studies..... 20-22

**Section 5 – Choosing Your Electives ..... 23**

Agriscience Technology..... 23

Veterinary Assisting ..... 24

Army JR. ROTC..... 24-25

Fire Science ..... 25

Art Education ..... 26-27

Athletic Training ..... 28

Communication and Multimedia Technology ..... 29

    Digital Video Production ..... 29-30

Driver’s Education..... 30

Experiential Education ..... 30

Family and Consumer Sciences (Fashion)..... 31

Health Science..... 32

Language Arts ..... 32-33

Leadership Skills Development ..... 33

Music (instrumental, vocal) ..... 33-35

Photography..... 35

Physical Education ..... 36-37

STEM ..... 37-39

    Engineering Technology ..... 38

    Gaming Simulation and Animation Prog ..... 39

Theater / Acting..... 40-41

World Languages ..... 42-44

**Section 6 – Resources for Success ..... 45-46**

**Section 7 – Career Pathways ..... 47-49**

## Choosing Your Courses for 2018-2019

Welcome to your 2018-2019 curriculum guide! Please understand that it is very important that you choose classes for the upcoming year that will not only interest you, but that will challenge you as well. Make sure that you read the curriculum guide, and if you follow these five steps, it will help ensure that you are in the correct classes and that you have an outstanding 2018-2019 school year.

- 1) Review your graduation requirements starting on page 3.
- 2) Consider your plans past graduation.
- 3) Choose your core classes (English, Math, Science, and Social Studies).
- 4) Choose your electives (check all prerequisites).
- 5) Review your choices with your parents/guardians and teachers.
- 6) Turn in your class pick sheet to your guidance counselor.

### Schedule Change Policy

Once the school year begins, changes to class selections are made only for the following valid reasons: computer error, failing a required class, passing a class in summer school, lacking a graduation requirement, or lacking an appropriate prerequisite. An Administrator and Guidance Counselor must approve all schedule changes. If you are having difficulty in a class during the school year, please see page 41 for strategies to succeed in the class.

Please understand that classes or lunch placement are **NOT** changed for teacher or social preference. Any request for these reasons will be denied. In addition, failure to complete your summer reading does not constitute a valid reason for a class change.

### Graduation Requirements

On the following pages, you will find information specific to your graduation year. Think about the year that you will graduate from Harmony High School. This year is classified as your "cohort" year. **All students must have an unweighted GPA of 2.0 or higher.**



## **2019 Cohort -- Longhorn Seniors** (Minimum of 18 credits to be a Senior)

### **Credits:**

- 4 English
- 4 Math (Algebra 1, Geometry, and higher)
- 3 Science (must pass Biology)
- 1 World History
- 1 U.S. History
- .5 Economics with Financial Literacy (semester course)
- .5 U.S. Government (semester course)
- 1 PE (Personal Fitness and .5 PE elective)
- 1 Fine or Practical Arts class
- 8 Electives (1 virtual school class flvs.net)

*(2 years of a World Language are not required for graduation, but are required for a Bright Futures Scholarship and entrance to a 4 year college.)*

### **Testing:**

- EOC: End of Course State Subject Exam (must pass Algebra 1 Level 3 or higher)
- EOC: Geometry, Biology, U.S. History, are worth 30% of final grade in class
- FSA ELA: Level 3 or higher on the 10<sup>th</sup> grade test

### **Important this year:**

- 1) Continue extracurricular activities/community service.
- 2) Make sure that you are on track for a Bright Futures Scholarship.
- 3) Use <https://www.floridashines.org> for future planning
- 4) Watch college/career fair dates and admissions deadlines
- 5) Check that you have met college admission requirements (ACT/SAT/GPA)



### **Bright Futures Scholarship Requirements (Florida Based Scholarship)**

**FAS**-Florida Academic Scholarship 3.5 core GPA, 100 community service hours, 1290 SAT (Math and Verbal) or 29 ACT (composite), Algebra 1 or higher, 2 yrs same world language

**FMS**-Florida Medallion Scholarship 3.0 core GPA, 75 community service hours, 1170 SAT (Math and Verbal) or 26 ACT (composite), Algebra 1 or higher, 2 yrs same world language

**GSV**-Gold Seal Vocational 3.0 core GPA, 3.5 GPA in vocation, 30 community service hours, see Harmony website for test requirements; cannot be used for A.A., B.A. or B.S. degree.

*Core GPA includes English, Math, Science, Social Studies, World Lang.*  
**Subject to change see Harmony Website for details**

## 2020 Cohort – Longhorn Juniors (Minimum of 11 credits to be a Junior)

### Credits:

- 4 English
- 4 Math (Algebra 1, Geometry, and higher)
- 3 Science (must pass Biology)
- 1 World History
- 1 U.S. History
- .5 Economics with Financial Literacy (semester course)
- .5 U.S. Government (semester course)
- 1 PE (personal fitness and .5 PE elective)
- 1 Fine or Practical Arts class
- 8 Electives (1 virtual school course flvs.net)

*(2 years of a World Language are not required for graduation, but are required for a Bright Futures Scholarship and entrance to a 4 year college.)*

### Testing:

- EOC: End of Course State Subject Exam (must pass Algebra 1 Level 3 or higher)
- EOC: Geometry, Biology, U.S. History, are worth 30% of final grade in class
- FSA ELA: Level 3 or higher on the 10<sup>th</sup> grade test

### Important this year

- 1) You will be tested to determine your college readiness in the spring. This test will establish your Math and English courses for your Senior year and it will be placed on your transcript.
- 2) Register for an ACT or SAT test this year.
- 3) Begin to research college and career options and their requirements.
- 4) Your GPA at the end of this year will be on college entrance applications.
- 5) Continue extracurricular activities/community service.
- 6) Track your Bright Futures Scholarship <https://www.floridashines.org>
- 7) If you are interested in Dual Enrollment with Valencia College speak with your guidance counselor and refer to the Harmony website.



#### Bright Futures Scholarship Requirements (Florida Based Scholarship)

**FAS**-Florida Academic Scholarship 3.5 core GPA, 100 community service hours, 1290 SAT (Math and Verbal) or 29 ACT (composite), Algebra 1 or higher, 2 yrs same world language

**FMS**-Florida Medallion Scholarship 3.0 core GPA, 75 community service hours, 1170 SAT (Math and Verbal) or 26 ACT (composite), Algebra 1 or higher, 2 yrs same world language

**GSV**-Gold Seal Vocational 3.0 core GPA, 3.5 GPA in vocation, 30 community service hours, see Harmony website for test requirements; cannot be used for A.A., B.A. or B.S. degree.

*Core GPA includes English, Math, Science, Social Studies, World Lang.*

**Subject to change see Harmony Website for details**

## 2021 Cohort -- Longhorn Sophomores (5 credits to be a sophomore)

### Credits:

- 4 English
- 4 Math (Algebra 1, Geometry, and higher)
- 3 Science (must pass Biology)
- 1 World History
- 1 U.S. History
- .5 Economics with Financial Literacy (semester course)
- .5 U.S. Government (semester course)
- 1 PE (personal fitness and .5 PE elective)
- 1 Fine or Practical Arts class (or 2 years ROTC)
- 8 Electives (1 virtual school course on flvs.net)

*(2 years of a World Language are not required for graduation, but are required for Bright Futures Scholarship, Scholars Diploma, and entrance to a 4 year college.)*

### Testing:

EOC: End of Course State Subject Exam (must pass Algebra 1 Level 3 or higher)

EOC: Geometry, Biology, U.S. History are worth 30% of final grade in class

FSA ELA: Level 3 or higher on the 10<sup>th</sup> grade test

### Important this year:

- 1) You must pass the 10<sup>th</sup> grade FSA ELA test in the spring.
- 2) Your GPA is important this year for future planning.
- 3) Make sure that you are involved in a club, sport, extracurricular activity, and continue to build your community services hours.
- 4) In February, you can apply for Dual Enrollment for your Junior year. See your guidance counselor and refer to the Harmony website for information.
- 5) Refer to the <https://www.floridashines.org> website for career assessments and future planning.



### Bright Futures Scholarship Requirements (Florida Based Scholarship)

**FAS**-Florida Academic Scholarship 3.5 core GPA, 100 community service hours, 1290 SAT (Math and Verbal) or 29 ACT (composite), Algebra 1 or higher, 2 yrs same world language

**FMS**-Florida Medallion Scholarship 3.0 core GPA, 75 community service hours, 1170 SAT (Math and Verbal) or 26 ACT (composite), Algebra 1 or higher, 2 yrs same world language

**GSV**-Gold Seal Vocational 3.0 core GPA, 3.5 GPA in vocation, 30 community service hours, see Harmony website for test requirements; can not be used for A.A., B.A. or B.S. degree.

*Core GPA includes English, Math, Science, Social Studies, World Lang.*

**Subject to change see Harmony Website for details**

## **2022 Cohort -- Longhorn Freshman (Welcome to Longhorn Country)**

### **Credits:**

- 4 English
- 4 Math (Algebra 1, Geometry, and higher)
- 3 Science (must pass Biology)
- 1 World History
- 1 U.S. History
- .5 Economics with Financial Literacy (semester course)
- .5 U.S. Government (semester course)
- 1 PE (personal fitness and .5 PE elective)
- 1 Fine or Practical Arts class
- 8 Electives (1 virtual school course on flvs.net)

*(2 years of a World Language are not required for graduation, but are required for Bright Futures Scholarship, Scholars Diploma, and entrance to a 4 year college.)*

### **Testing:**

EOC: End of Course State Subject Exam (must pass Algebra 1 Level 3 or higher)

EOC: Geometry, Biology, U.S. History are worth 30% of final grade in class

FSA ELA: Level 3 or higher on the 10<sup>th</sup> grade test

### **Important for this year**

- 1) This is an important year for your GPA, A's and B's are needed for 4 year college admission see Harmony website and page 41.
- 2) This is also a good time to start your community service hours for scholarships see Harmony website for relevant forms.
- 3) It is important to get involved with your school this year. Find a club, sport, or extracurricular activity to become a part of your school (colleges like to see this as well).
- 4) Listen to the Seniors, they will tell you to make every year count.

### **Bright Futures Scholarship Requirements (Florida Based Scholarship)**

**FAS**-Florida Academic Scholarship 3.5 core GPA, 100 community service hours, 1290 SAT (Math and Verbal) or 29 ACT (composite), Algebra 1 or higher, 2 yrs same world language

**FMS**-Florida Medallion Scholarship 3.0 core GPA, 75 community service hours, 1170 SAT (Math and Verbal) or 26 ACT (composite), Algebra 1 or higher, 2 yrs same world language

**GSV**-Gold Seal Vocational 3.0 core GPA, 3.5 GPA in vocation, 30 community service hours, see Harmony website for test requirements; can not be used for A.A., B.A. or B.S. degree.

*Core GPA includes English, Math, Science, Social Studies, World Lang.*

***Subject to change see Harmony Website for details***

**GRADUATION COURSE REQUIREMENT CHECKLIST**  
**(2.0 unweighted GPA Required for Graduation)**

*2 years of the same World Language are required, and a 4<sup>th</sup> year of a science is recommended for College/University, Bright Futures and Scholars Diploma eligibility*

**ENGLISH – 4 Credits Required**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

**SOCIAL STUDIES – Specific Courses**

1. \_\_\_\_ World History (1.0)
2. \_\_\_\_ American History (1.0)
- 3a. \_\_\_\_ American Government (0.5)
- 3b. \_\_\_\_ Economics/Financial Literacy (0.5)

**SCIENCE – 3 Credits Required**  
 (Must include Biology)

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**MATHEMATICS – 4 Credits Required**  
 (Must be Algebra I/Geometry and higher)

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

**PHYSICAL FITNESS – 1 Credit**

1. \_\_\_\_ Personal Fitness/PE Elective

**FINE ARTS – 1 Credit**

1. \_\_\_\_\_

**ELECTIVES – 8 Credits including 1 virtual school course**

- |  |  |
|--|--|
| <ol style="list-style-type: none"> <li>1. _____</li> <li>2. _____</li> <li>3. _____</li> <li>4. _____</li> </ol> | <ol style="list-style-type: none"> <li>5. _____</li> <li>6. _____</li> <li>7. _____</li> <li>8. _____</li> </ol> |
|--|--|

**Additional for Standard Diploma**

- 1) Pass 10<sup>th</sup> grade FSA ELA level 3 or higher \_\_\_\_
- 2) Pass Algebra 1 EOC level 3 or higher \_\_\_\_
- 3) 2.0 or higher unweighted GPA \_\_\_\_



**Planning Ahead: Consider Your Future When Choosing Your Classes!**

Consider your direction after high school. This direction will help set up a path of classes needed to reach your future goals.

Direction after high school:

- 1) 4 year university
- 2) 2 year college or technical school
- 3) Military
- 4) Job placement

**4 year University Path**

Most 4 year colleges like to see that you have been successful in high school by challenging yourself with honors and AP classes (Advanced Placement). By taking these classes you will have an opportunity to advance your knowledge in a subject area. Harmony has several AP and multiple honors level classes from which to choose. By taking these classes, you can increase your weighted GPA substantially. Also, if you choose to take AP classes, you will be given a national AP exam in May. If you score a 3, 4, or 5 on the exam you may earn college credit.

GRADE	PERCENT	POINT VALUE (Unweighted)	Weighted-Honors	POINT VALUE Weighted- AP, DE
A	90-100	4.0	4.5	5.0
B	80-89	3.0	3.5	4.0
C	70-79	2.0	2.5	3.0
D	60-69	1.0	1.5	2.0
F	0-59	0	0	0
I	(0)	(0)	(0)	(0)

**3.0 is the minimum weighted GPA for entrance into Florida Universities. Please see Harmony High School website for more information on specific college entrance requirements.**



**Harmony High School Classes for University Path**

	English	Math	Science	Social Studies	World Language
<b>G r. 9</b>	Honors: English 1 or 2*	Honors: Geometry* or Algebra II*	Honors Biology or Chemistry*	AP: Human Geography	World Language I or II*
<b>G r. 10</b>	Honors: English 2 or 3  AP English Language	Honors: Algebra II, Pre-Calculus, or Probability and Stats App	Honors: Chemistry 1, Physics AP: Chemistry or Biology	Honors: World History, US History  AP: World History	World Language II or III
<b>G r. 11</b>	Honors: English 3 or 4  AP English Language, or English Literature	Honors: Pre-Calculus, Probability & Stats App  AP: Stats, or Calc AB	Honors: Chemistry, Physics, Anatomy and Physiology  AP: Biology, Chemistry, Physics, Environmental	Honors: U.S. History  AP: U.S. History	Honors: World Language III  AP: World Language
<b>G r. 11 2</b>	English 4 Honors,  AP English Language, or AP English Literature	Pre-Calculus Honors, Probability & Stats App Honors, AP Stats, or AP Calc AB	Honors: Anatomy and Physiology  AP: Chemistry, Physics, Biology or Environmental Science	Honors: Econ/Gov't  AP: U.S. Gov't/ AP Macro Economics	AP World Language

\*Assumes student successfully completed prerequisite in 8<sup>th</sup> grade

**The Scholars Diploma Designation**

(Diploma will be stamped to reflect outstanding academic accomplishments.)

To earn a Scholars Diploma Designation:

Earn level 3 or higher on the FSA ELA Assessment  
 Earn level 3 or higher on the following EOCs: Geometry, Biology, U.S. History  
 Successfully Complete, Statistics or Pre-Calc, Chemistry or Physics, 2 credits of the same world language, and earn at least 1 credit in an AP or a Dual Enrollment course

**General Path**

*(This path will lead you to a 2 year college, technical school, military or job placement)*

	English	Math	Science	Social Studies	World Language
<b>G r. 9</b>	English 1	Algebra 1 Or Geometry*	Marine Science or Biology**		World Language I FSA ELA level 3+
<b>G r. 10</b>	English 2	Geometry, Liberal Arts, or Algebra II	Environmental Science or Biology	World History	World Language I or World Language II
<b>G r. 11</b>	English 3	Geometry, Liberal Arts, Algebra II, Stats Honors	Biology, Chemistry, or Physics	U.S. History	World Language I, II (or III if interested)
<b>G r. 12</b>	English 4	Algebra II, Math for College Readiness, Stats Honors, Pre- Calculus Honors	Environmental Science, Anatomy & Physiology, Chemistry, or Physics	Economics and Government	World Language I, II (or III if interested)

\*Assumes student successfully completed Algebra 1 Honors in middle school.

\*\*Assumes student successfully completed Physical Science in middle school.

Refer to the Harmony website for information on college and career planning or stop into the Career Center (located in the guidance office) for more information.

**Merit Diploma Designation**

(Diploma will be stamped to reflect Industry Certification)

To earn a Merit Diploma Designation:

Earn Industry Certification in Career Pathway: Agriscience, Digital Video Production, Engineering, Game and Simulation Design, Health Science, Veterinary Science



## Choosing your Core Classes:

### English: 4 credits required

#### **10013100 - ENGLISH I**

The purpose of this course is to provide students with instruction in English language skills. The course content includes the study of grammar and writing skills, speaking and listening skills, and reading and analyzing skills. A research paper/project is required.

Prerequisite: 8<sup>th</sup> grade FSA ELA Level 1 or 2

#### **1001310L - ENGLISH I THROUGH ESOL (ENGLISH FOR SPEAKERS OF OTHER LANGUAGES)**

This course provides instruction in the skills of listening, speaking, reading, and writing in English to students with a primary language other than English. Content includes grammar, vocabulary and public speaking. This course will fulfill graduation requirements for English.

Prerequisite: Student Placement

#### **10013200 - ENGLISH HONORS I**

The purpose of this course is to promote academic excellence in Language Arts through enriched experiences in literature, writing, speaking, and listening. Course content includes a review of grammar usage and fundamentals of composition, critical analysis of the various literary forms in both oral and written assignments. A research paper/project is required.

Prerequisite: 8<sup>th</sup> grade - Level 3, 4, or 5 FSA ELA

#### **10013400 - ENGLISH II**

The purpose of this course is to provide instruction in English language skills, in the study of world literature, and in the development of composition skills. Course content includes grammar, vocabulary, reference skills, media, public speaking, and writing. A research paper/project is required.

Prerequisite: English I or equivalent

#### **1001340L - ENGLISH II THROUGH ESOL**

The purpose of this course is to provide instruction to native speakers of a language other than English in developmental language arts skills, including reading, writing, listening, and speaking. Content includes grammar, vocabulary and public speaking. This course will fulfill graduation requirements for English.

Prerequisite: Student Placement

#### **10013500 - ENGLISH HONORS II**

The purpose of this course is to provide integrated educational experiences in the language arts strands of reading, writing, listening, viewing, speaking, language, and literature. The content should include, but not be limited to the following: using reading strategies to construct meaning from texts, acquiring an extensive vocabulary through reading, discussion, listening, and systematic word study, using speaking, listening, and viewing strategies in formal presentations and informal discussions, understanding and responding to a variety of literary forms by using language successfully.

Prerequisite: Successful completion English I Honors or English I, 3, 4, or 5 FSA ELA

**10013700 - ENGLISH III**

This course includes the frequent writing of papers, on a variety of topics using a variety of methods. American literature studied through the analysis of various genres, along with instruction in listening, reading, discussing, and writing.

Prerequisite: Successful completion of English II or equivalent

**1001370L - ENGLISH III THROUGH ESOL**

The purpose of this course is to provide instruction in English to speakers of other languages classified as less than independent in English. Course content includes grammar, vocabulary, and public speaking. This course will fulfill graduation requirements for English.

Prerequisite: Student Placement

**10013200 - ENGLISH III HONORS**

The purpose of this course is to provide integrated educational experiences in the language arts strands of reading, writing, listening, viewing, speaking, language, and literature. The content should include, but not be limited to the following: using reading strategies to construct meaning from texts, acquiring an extensive vocabulary through reading, discussion, listening, and systematic word study, using speaking, listening, and viewing strategies in formal presentations and informal discussions, understanding and responding to a variety of literary forms by language successfully to impact the reader.

Prerequisite: Successful completion English II Honors or English II

**10014200 - ADVANCED PLACEMENT ENGLISH LANGUAGE/COMPOSITION**

This course provides students with the understanding of semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective writing. The course also provides a variety of writing opportunities calling for the use of different style and tones. Summer reading is required prior to the start of the school year. College credit can be earned by student successful performance (3 or better) on the Advanced Placement exam administered in May. An action research project is required.

Grades 10, 11,12

Prerequisite: Successful completion of English II or English Honors II

**10014050 – ENGLISH IV**

The purpose of this course is to provide students with the skills to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

Students will be able to cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text, including determining where the text leaves matters uncertain. Topics to be covered are: Key ideas and details, craft and structure, range and level of text complexity, text types and purposes, production and distribution of writing, research to build knowledge, conventions in writing and speaking as well as vocabulary acquisition and use.

Prerequisite: English I-III

**1001405L - ENGLISH IV THROUGH ESOL**

This course provides instruction in English to speakers of other languages who are classified as less than independent in English. Content includes grammar, vocabulary and public speaking. A research paper is required. This course will fulfill graduation requirements for English.

Prerequisite: Student Placement

**10014100 - ENGLISH IV HONORS**

The purpose of this course is to provide integrated educational experiences in the language arts strands of reading, writing, listening, viewing, speaking, language, and literature. The content should include, but not be limited to, the following: using the reading process to construct meaning using technical, informative, and imaginative texts, using writing processes for various purposes with attention to style and format, using the research process and individual inquiry to locate, analyze, and evaluate information, using effective listening, speaking, and viewing strategies in informal and formal situations understanding the power of language as it impacts the audience, understanding and analyzing literary texts responding critically and aesthetically to literature.

Prerequisite: Successful completion of English III or English III Honors, or FSA ELA level 4 or 5

**10014300 - ADVANCED PLACEMENT ENGLISH LITERATURE/COMPOSITION**

This course engages students in the careful reading and critical analysis of imaginative literature. Students will develop critical standards for interpreting the effects writers create by means of the artful manipulation of language. Individual works, and their characters will be studied. Summer reading is required prior to the start of school year. College credit can be earned by student successful performance (3 or better) on the Advanced Placement exam administered in May.

Prerequisite: Successful completion of English II Honors, English Honors III or AP Language and Composition, FSA ELA level 4 or 5

*Seniors who have not completed an AP English class prior to 12<sup>th</sup> grade and would like to take an AP English course may enroll in AP Lang (description on page 13).*



**Mathematics 4 Credits Required****12003100 - ALGEBRA I**

This course provides students with the foundation for more advanced mathematics courses and aims to develop the skills needed to solve mathematical problems. Course content includes sets, variables, real number systems, equations and inequalities, relations and functions, graphs, rational and irrational numbers, and radicals. Students are required to pass an End of Course (EOC) exam to meet graduation requirement. Algebra EOC exam will count towards 30% of student's overall grade.

Grades 9, 10

Prerequisite: None

**12003200 - ALGEBRA I HONORS**

This course provides students with the foundation for more advanced mathematics courses and to develop the skills needed to solve mathematical problems. Course content includes sets, variables, real number systems, equations and inequalities, relations and functions, graphs, rational and irrational numbers, and radicals. This course is more in-depth and at an advanced pace. Students are required to pass an End of Course (EOC) exam to meet graduation requirement. Algebra EOC exam will count towards 30% of student's overall grade.

Grades 9, 10

Prerequisite: Successful completion of Advanced 8<sup>th</sup> grade Math

**12063100 - GEOMETRY**

This course emphasizes critical thinking involving the discovery of relationships and their proofs, and skill in applying the deductive method to mathematical situations. Course content includes logic and reasoning, the study of Euclidean geometry of lines, planes, triangles, similarity and congruence. Geometry EOC exam will count towards 30% of student's overall grade.

Grades 9, 10

Prerequisite: Successful completion of Algebra I

**12063200 - GEOMETRY HONORS**

This course provides a rigorous in-depth study of geometry, with emphasis on methods of proof and the formal language of mathematics. Content includes the structure of geometry, separation properties, angle concepts, triangles, quadrilaterals, proofs, similar polygons, circles and spheres, volume and transformational geometry. Geometry EOC exam will count towards 30% of student's overall grade.

Grades 9, 10

Prerequisite: Successful completion of Algebra I Honors or Algebra I

**12003300 - ALGEBRA II**

This course provides students with a foundation for applying advanced skills to other mathematical and scientific fields. Content includes linear and quadratic equations, factoring of polynomials, graphing, systems of equations, and rational/irrational functions.

Grades 9-12

Prerequisite: Successful completion of both Geometry and Algebra I

**12003400 - ALGEBRA II HONORS**

This course presents an in-depth study of the topics of Algebra II, with emphasis on theory, proof, and development of formulas and their application. This is a rigorous study of functions, graphs, and the tools needed to study advanced mathematics.

Grades 9-12

Prerequisite: Successful completion of both Geometry Honors and Algebra I Honors or Geometry and Algebra I

**12073100 - LIBERAL ARTS MATHEMATICS**

This course strengthens math skills. Content includes Algebra, Geometry, Statistics, Probability and Consumer Math. *This course is not accepted by four year universities as a math credit or for the Bright Futures Scholarship.*

Grades 11, 12

Prerequisite: Alg 1, Geometry

**12003870 – FINANCIAL ALGEBRA**

The financial literacy focus of this course provides a real-life framework to apply upper-level mathematics standards. In our consumer-based society, a mathematics course that addresses the results of financial decisions will result in more fiscally responsible citizens. This course will give students the opportunity to apply mathematics found in financial topics such as personal investments, retirement planning, credit card interest, and savings. Financial Algebra is designed for students who have completed Algebra 1 and Geometry.

Grades 11, 12

Prerequisite: Alg 1, Geometry

**12023400 – PRECALCULUS HONORS**

This course emphasizes the skills necessary for the study of theorems of polynomial behavior, the relationships among the solutions of equations, understand mathematical induction, trigonometric functions and their applications.

Grades 10-12

Prerequisite: Successful completion Algebra II

**12007000 - MATH FOR COLLEGE READINESS**

The purpose of this course is to strengthen the skill level of high school seniors who have completed Algebra I and Geometry who need some additional instruction in content to prepare them for success in college level mathematics. This course incorporates the Florida Standards for Mathematical Practices as well as the following Florida Standards for Mathematical Content: Expressions and Equations, The Number System, Functions, Algebra, Geometry, Number and Quantity, Statistics and Probability, and the Florida Standards for High School Modeling. The standards align with the Mathematics Postsecondary Readiness Competencies deemed necessary for entry-level college courses.

Grade 12

Prerequisite: Successful completion of Algebra I and Geometry

**12103000 – Probability & Statistics with Applications Honors**

This course teaches the mathematical science involved in the application of quantitative principles to collect, analysis, and present numerical data.

Grades 10-12

Prerequisite: Successful completion of Algebra II Honors or Pre Calc



**12023100- ADVANCED PLACEMENT CALCULUS AB**

This is a college level course designed to prepare students for the Advanced Placement exam. This course studies elementary functions and the general theory and techniques of calculus which include limits, derivatives and integrals. College credit can be earned by successful performance (3 or above) on the Advanced Placement exam administered in May.

Grades 11-12

Prerequisite: Successful completion of Pre-Calculus

**1210320 – ADVANCED PLACEMENT STATISTICS**

This course is designed to provide college-level instruction on the concepts and tools for working with data. Students collect and analyze data and draw conclusions based on real-world information. The course challenges students to explore patterns, think critically, use a variety of tools and methods, and report their findings and conclusions.

Grades: 11, 12

Prerequisite: Successful completion of Algebra II Honors



**Science 3 Credits Required****20025000 – Marine Science**

This course is an overview of the ocean plate tectonics and marine science life. Course will prepare students for biology.

Grade: 9

Prerequisite: None

**20013400 – Environmental Science**

This course is an overview of the scientific study of the natural world and how it is influenced by people. Major topics include: food, energy, human population, biodiversity and global change. Course will prepare students for biology.

Grade: 10

Prerequisite: None

**20013800 - ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE**

The purpose of this course is to study the interaction of man with the environment. The content includes scientific analysis of fundamental principles and concepts about the interdependence of Earth's systems, population dynamics, distribution, ownership, and degradation of renewable and nonrenewable resources, environmental quality, global changes and their consequences, and environment and society trade-offs and decision-making choices for the future. College credit can be earned by successful performance (3 or above) on the Advanced Placement exam administered in May.

Grade: 10-12

Prerequisite: Successful completion of Biology I and Chemistry I

**20003100 - BIOLOGY I**

This course provides students with general exploratory experiences and activities in the fundamental concepts of life. Content includes scientific method, scientific measurement, laboratory safety and use of apparatus, cell biology, cell reproduction, basic principles of genetics, and classification and surveying of plants and animals. Biology EOC exam will count towards 30% of student's overall grade.

Grades: 10, 11

Prerequisite: FSA ELA Level 3 or higher to take class in 9<sup>th</sup> grade

**20003200 - BIOLOGY I HONORS**

This course is designed for upper level students and includes the study of scientific method and measurement, laboratory safety and use of apparatus, biochemistry, cell biology, cell reproduction, genetics, classification, taxonomy, and ecological relationships. Biology EOC exam will count towards 30% of student's overall grade.

Grades: 9, 10

Prerequisite: FSA ELA Level 3 or higher to take in 9<sup>th</sup> grade

**20003400/2003300S - ADVANCED PLACEMENT BIOLOGY/BIOLOGY II**

This course provides a study of the facts, principles, and processes of biology and the collection, interpretation, and formulation of hypotheses from available data. Content is specified by the A.P. Program. College credit can be earned by successful performance (3 or above) on the Advanced Placement exam administered in May.

Double block class – 2.0 credits

Grade: 10-12

Prerequisite: Successful completion of Biology I Honors and Chemistry I Honors

**20033400 - CHEMISTRY I**

This course provides students with the study of the composition, properties, and changes associated with matter. Content includes classification and structure of matter, atomic theory, the periodic table, bonding, chemical formulas, chemical reactions and balanced equations, the behavior of gases, physical changes, acids, bases, and salts, and energy associated with physical and chemical changes.

Grades: 10-12

Prerequisite: Successful completion of Biology I and Algebra I

**20033500 - CHEMISTRY I HONORS**

This course provides students with a rigorous study of the composition, properties, and changes associated with matter. Content includes atomic structure, bonding, the periodic table, formulas, stoichiometry, phase changes, specific heat, equilibrium, solutions, acids, bases, and salts, nuclear chemistry, gas laws, and organic chemistry. There is an emphasis on tests in this class, and a research project is required.

Grades: 9-12

Prerequisite: Successful completion of Biology I Honors and Algebra I Honors

**20033700/20004400 - ADVANCED PLACEMENT CHEMISTRY/GENETICS HONORS**

This is a rigorous study of the development and application of chemistry principles and concepts. The purpose of this course is to study the development and application of chemistry principles and concepts. Content includes structure of matter, states of matter, reactions, descriptive chemistry, laboratory as well as chemical calculations and the mathematical formulations of principles. College credit can be earned by successful performance (3 or above) on the Advanced Placement exam administered in May. Double block class - 2.0 credits

Grade: 10-12

Prerequisite: Successful completion of Biology I and Chemistry I

**20003500 - ANATOMY AND PHYSIOLOGY**

This course provides students with basic knowledge structure and function of the components of the human body. Content includes cellular processes and tissues, the skeletal, muscular, nervous, cardiovascular, respiratory, digestive, urinary, and reproductive systems, and special senses.

Grades: 11, 12

Prerequisite: Successful completion of Biology I

**20003600 - ANATOMY AND PHYSIOLOGY HONORS**

This course provides students with exploratory and advanced activities in the structure and function of the components of the human body. Content includes cellular processes and tissues, the skeletal, muscular, nervous, cardiovascular, respiratory, digestive, urinary, and reproductive systems, and special senses.

Grades: 11, 12

Prerequisite: Successful completion of Biology I

**20033900 - PHYSICS I HONORS**

This course is designed for upper-level students to study in-depth with enrichment concepts, theories, and laws governing the interaction of matter, energy, and forces, and their application through exploratory investigations and activities.

Grades: 10-12

Prerequisite: Successful completion of Algebra II and Chemistry I, or placement

**20034210/20034100 - ADVANCED PLACEMENT PHYSICS /PHYSICS II HONORS**

This is a rigorous study of the main principles of classical and modern physics with an emphasis on problem-solving. Content is specified by the A.P. Program. College credit can be earned by successful performance (3 or above) on the Advance Placement exam administered in May. Double block class – 2.0 credits

Grade: 11,12

Prerequisite: Successful completion of Physics I or Chemistry I



## Social Studies

### **21034000 - ADVANCED PLACEMENT HUMAN GEOGRAPHY**

The purpose of this course is to enable students to develop higher understanding of concepts and skills related to Human Geography. The content will include the following: regions, population studies, cultural concepts and spatial representation, political geography, land use, urbanization, issues related to space, place, and scale, and economic geography. College credit can be earned by successful performance (3 or above) on the Advanced Placement exam administered in May.

Grades: 9

Prerequisite: FSA ELA Level 4 or 5

### **21093100 - WORLD HISTORY**

This course provides students with the opportunity to acquire an understanding of the chronological development of civilization by examining the political, economic, social, religious, military, dynastic, scientific, and cultural events that affect humanity.

Grades: 10

Prerequisite: None

### **21093200 - WORLD HISTORY HONORS**

The purpose of this course is to enable students to understand their connections to the development of civilizations by examining the past to prepare for their future as participating members of a global community. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, social, and employment settings. The content includes the following: prehistory, rise of civilization, development of religion and the impact of religious thought, evolution of political systems and philosophies, influence of significant historical figures and events, and contemporary world affairs.

Grade: 9-10

Prerequisite: 3, 4, or 5 FSA ELA

### **21094200 - ADVANCED PLACEMENT WORLD HISTORY**

This course is designed to include the chronological time frame from 600 C.E. to the present with a general analysis of developments before that time. Students will develop a knowledge and understanding of the cultures of the continents and how they interacted with the world today. Content is the content specified by the Advanced Placement Program. This course uses college-level textbooks and requires considerable work outside of the classroom including outside reading and research. College credit can be earned by successful performance (3 or above) on the Advanced Placement exam administered in May.

Prerequisite: Successful completion of English I or Honors English 1, 4 or 5 FSA ELA

Grades: 9,10

### **21003100 - U.S. HISTORY**

This course provides students with the opportunity to acquire an understanding of the chronological development of the American people by examining the political, economic, social, religious, military, scientific, and cultural events that have affected the rise and growth of our nation.

Grades: 10, 11

Prerequisite: None

**21003200 U.S. HISTORY HONORS**

The purpose of this course is to enable students to understand the development of the United States within the context of history with a major focus on the post-Reconstruction period. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, social, and employment settings.

Prerequisite: 3, 4, or 5 FSA ELA

Grades: 10, 11

**21003300 – ADVANCED PLACEMENT U.S. HISTORY**

Students will analyze the development of the U.S. within the context of history by examining connections to the past to prepare for the future as participants in a democratic society. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, social, and employment settings. College credit can be earned by successful performance (3 or above) on the Advanced Placement exam administered in May.

Prerequisite: Successful completion of World History and English 2 or English 2 Honors, 4 or 5 FSA ELA

Grades: 10, 11

**21023350 – ECONOMICS with Financial Literacy (.5 credit)**

This course provides students the opportunity to acquire an understanding of the way in which a society organizes its limited resources to satisfy unlimited wants. The student is introduced to the major characteristics of the mixed market economic system in the United States and studies the way in which basic economic questions are answered. Includes Financial Literacy.

Grades: 11, 12

Prerequisite: Grade 12 given opposite Government

**21023450 – ECONOMICS with Financial Literacy HONORS (.5 credit)**

This course provides students the opportunity to acquire an understanding of the way in which a society organizes its limited resources to satisfy unlimited wants. The student is introduced to the major characteristics of the mixed market economic system in the United States and studies the way in which basic economic questions are answered. Includes Financial Literacy.

Grades: 11, 12

Prerequisite: Grade 12 given opposite Government Honors

**21023700 – ADVANCED PLACEMENT MACROECONOMICS (.5 credit)**

This course provides instruction in theory, organization, principles and functions of the national government, stressing the relationships of the individual to all levels of government in the political system and the economics course provides opportunities to acquire the knowledge and decision-making tools necessary for understanding how society must organize its limited resources to satisfy its unlimited wants. College credit can be earned by successful performance (3 or above) on the Advanced Placement exam administered in May. MUST TAKE WITH AP US GOVERNMENT.

Grades: 11,12

Prerequisite: Grade 12. Successful completion of A.P. U.S. History.

**21063100 – U.S. GOVERNMENT (.5 credit)**

This course provides students with the opportunity to acquire an understanding of American government and political behavior. Content includes an understanding of the evolving role of political parties and interest groups in determining government policy, how the rights and responsibilities of citizens in a democratic state have evolved and been interpreted, and the importance of civic participation in the democratic political process.

Grades: 11, 12

Prerequisite: Grade 12 given opposite Economics

**21063100 – U.S. GOVERNMENT HONORS (.5 credit)**

This course provides students with the opportunity to acquire an understanding of American government and political behavior. Content includes an understanding of the evolving role of political parties and interest groups in determining government policy, how the rights and responsibilities of citizens in a democratic state have evolved and been interpreted, and the importance of civic participation in the democratic political process.

Grades: 11, 12

Prerequisite: Grade 12 given opposite Economics Honors

**21064200 – ADVANCED PLACEMENT U.S. GOVERNMENT (.5 credit)**

This course provides instruction in theory, organization, principles and functions of the national government. Students will understand the development of the United States within the context of history by examining connections to the past to prepare for the future as participating members of a democratic society. Students use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings. College credit can be earned by successful performance (3 or above) on the Advanced Placement exam administered in May. **MUST TAKE WITH AP MACROECONOMICS.**

Grades: 11, 12

Prerequisite: Grade 12. Successful completion of A.P. U.S. History

**21073500 - ADVANCED PLACEMENT PSYCHOLOGY**

Through the study of psychology, students acquire an understanding of and an appreciation for human behavior, behavioral interaction, and the progressive development of individuals. This will better prepare them to understand their own behavior and the behavior of others. The content should include research methodology, biological bases of behavior, sensation and perception, states of consciousness, learning and cognition, developmental psychology, theory psychological testing, abnormal psychology, and treatment of psychological disorders. College credit can be earned by successful performance (3 or above) on the Advanced Placement exam administered in May.

Grades: 11-12

Prerequisite: FSA ELA level 3 or higher



### Choosing Your Electives:

It is important to get involved with your school through your electives. Harmony has extensive opportunities to try out different classes through electives. All you need is an interest in a class specialization area, and the first class in its sequence will teach you about the topic.

## AGRISCIENCE TECHNOLOGY

**Agritechnology** (*All classes are part of Career Pathways see page 46*)

### **8106810 - AGRISCIENCE FOUNDATIONS 1**

This course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; Agriscience safety; principles of leadership; and agribusiness, employability, and human relations skills in Agriscience. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment. *Course counts as a science credit*

Grades: 9-12

Prerequisite: None

### **81062100 – Animal Science and Service 2**

This course is designed to develop competencies in the areas of Agriscience industry careers; prevention and treatment of livestock diseases; livestock anatomy; wholesale cuts of meat; animal reproduction and identification; animal safety; animal-health certification; plant growth; plant fertilization; safe use of pesticides; maintenance of tools and equipment; record keeping; and employability skills.

Grades: 10-12

Prerequisite: Successful completion of Agriscience Foundations 1 or Veterinary Assisting 1

### **81062200 – Animal Science and Service 3**

This course is designed to develop competencies in the areas of job and training requirements; professional organizations; crop identification; planting crops; fertilizer calculations and application; irrigation; pest control; harvesting, packing, and grading crops, safe equipment operation; finance; and employability skills.

Grades: 11, 12

Prerequisite: Successful completion of Animal Sci & Sers 2

### **81062300 – Animal Science and Service 4**

This course provides students with skills and competencies basic to the science of agriculture. Content includes plant science; animal science; soil science; agricultural mechanics; natural resources and conservation; communication; and employability skills. Land Laboratory and shop activities are included. The FFA organization is an integral part of the instructional program.

Grade: 12

Prerequisite: Successful completion of Animal Sci & Sers 3



**Veterinary Assisting** (*All classes are part of Career Pathways see page 46*)

**81115100 - VETERINARY ASSISTING 1**

This course is an introduction to Veterinary Science with emphasis on animal control, veterinary science terminology, companion animal first aid, identification, selection and overpopulation problems, and an overview of Veterinary Medicine. Laboratory and FFA (Future Farmers of America) activities are integral parts of the course.

Grades: 9-12

Prerequisite: None

**81115400 - VETERINARY ASSISTING 2**

This course is designed to introduce Veterinary medicine with emphasis on human - animal bond, animal related laws, animal research, genetics and biotechnology, and enterprise management. Laboratory and FFA (Future Farmers of America) activities are integral parts of the course.

Grades: 10-12

Prerequisite: Application + Veterinary Assisting 1

**81115500 - VETERINARY ASSISTING 3**

The emphasis of the course is nutrition - feeds for large and small animals. Students will study the recognition of malnutrition and remedies for animals. Laboratory experiences are required. FFA (Future Farmers of America) and leadership are integral parts of the program.

Grades: 11, 12

Prerequisite: Application + Veterinary Assisting 2

**81115200/81115300 - VETERINARY ASSISTING 4/5**

This course emphasizes environmental conditions and pest management. Small and large animals are included. Laboratory and FFA (Future Farmers of America) activities are integral parts of the course.

Grade: 12

Prerequisite: Application + Veterinary Assisting 3 or 4

**ARMY JR. ROTC**

*JROTC introduces cadets to Service Learning and Financial Planning. JROTC gives the cadet the opportunity to earn six college credits offered by Colorado University. (2 years successful completion of JROTC will waive students from their fine arts and HOPE credit requirements)*

**18013000- LEADERSHIP EDUCATION AND TRAINING 1**

This course teaches students the value of citizenship, leadership, and service to the community, while instilling in them self-esteem, teamwork, and self-discipline. Its focus is reflected in its mission statement, "To motivate young people to be better citizens." It prepares high school students for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens. Content includes leadership development, drill and ceremony, personal health and fitness, first aid, map skills, techniques of writing and public speaking, American history, drug intervention and substance abuse, marksmanship, and safety. Extracurricular activities include Drill Team, Color Guard, Raider Team, Rifle Team, and Sabers Honor Club.

Grades: 9-12

Prerequisite: None

**18013100 - LEADERSHIP EDUCATION AND TRAINING 2**

This course continues the development of the leadership skills that began in Leadership Education and Training I (LET I).

Grades: 10-12

Prerequisite: LET I

**18013200 - LEADERSHIP EDUCATION AND TRAINING 3**

In this course, students continue the development of the leadership skills and activities that began in Leadership Education and Training I and II (LET I and LET II). Strategies for postsecondary school plans and goals are introduced.

Grades: 11, 12

Prerequisite: LET I and II

**18013300 - LEADERSHIP EDUCATION AND TRAINING 4**

This course continues the development of the leadership skills and activities that began in previous Leadership Education and Training classes. Strategies for postsecondary school plans and goals are developed and implemented. Assistance in college entrance, military careers and/or transition to the workforce is also provided.

Grade: 12

Prerequisite: LET I, II, and III

**FIRE SCIENCE**

*These courses are Dual Enrollment courses offered on our campus. Students will need to meet the DE requirements prior to enrolling in this course. Each course is a semester course.*

**FFP1000 Fire Science Fundamentals**

This course will provide an overview to fire protection. The history of fire protection, the fire problem and how organizations are structured to deal with the fire problem will be studied. Building design and construction relating to fire protection and fire safety will be reviewed as well as preventing and controlling fire loss. The student will also research the many private and governmental organizations that have an impact on fire protection and life safety. Career opportunities, and educational and training programs, related to fire protection will be examined.

*Since the course is an introductory course, the student will explore the many educational, financial and personal resources and support systems that are available at the college to help with academic and personal success. This course is approved as an NSE (New Student Experience) substitute course at Valencia College.*

**FFP1612 Fire Behavior and Combustion**

This course explores the theories and science of how and why fires start, spread, and are controlled. The course covers the combustion processes of materials and substances, fire dynamics, thermodynamics and fire chemistry. Student will apply formulae to calculate fire processes such as heat release rates, ignition times and temperatures, heat transfer methods, water suppression calculations, burning duration, mass loss, etc. Topics, such as ventilation-controlled fires, fuel-controlled fires, flow paths, the stages of fire, flame spread, the classes of fire, time-temperature curves, heat plumes, extinguishing agents, products of combustion and other topics in fire science and fire behavior will be explored.

The intent of the course is for the student to use fire science to gain an understanding of fire behavior to better predict and calculate the factors and risks involved with fire suppression and fire control.

**ART EDUCATION**

*A fee may be assessed for these classes to help cover the cost of consumable materials. All courses fulfill the fine arts requirement for graduation.*

**01010100 – 2-D Studio Art 1**

The purpose of this course is to give students extensive experience in the artistic expression of ideas through two-dimensional art media. Beginning drawing skills are taught. This course is a prerequisite to all other art courses.

Grades: 9-12

Prerequisite: None

**0104350 – 2-D Studio Art 2**

The purpose of this course is to enable students to develop intermediate-level perceptual, observational, and compositional skills necessary to communicate a range of subject matter, symbols, ideas, and concepts, using knowledge of drawing media, processes, and techniques. Includes writing about art pieces.

Grades: 10-12

Prerequisite: Successful completion of 2-D Studio Art

**0104360 – 2-D Studio Art 3 honors**

The purpose of this course is to enable students to develop advanced perceptual, observational, and compositional skills necessary to communicate a range of subject matter, symbols, ideas, and concepts using knowledge of drawing media, processes, and techniques.

Grades: 10-12

Prerequisite: Successful completion of Draw 2

**01113100 - SCULPTURE 1**

The purpose of this course is to provide students the opportunity to develop additional skills in the use of sculpture media, design, processes and techniques. Emphasis shall be placed on the visual, spatial, and compositional concepts to communicate a range of ideas. This course is next level of 3-D Art/Sculpture class.

Grades: 10-12

Prerequisite: Successful completion of Draw 1

**01113200/01043000 - SCULPTURE 2/3**

The purpose of this course is to enable students to develop intermediate-level skills in the use of sculpture media, design, processes, and techniques. Emphasis is placed on the use of visual, spatial, and compositional concepts to communicate a range of ideas.

Grades: 11, 12

Prerequisite: Successful completion of Sculpture 1/2

**0104300 – ADVANCED PLACEMENT ART – DRAWING PORTFOLIO**

The purpose of this course is to give advanced students the opportunity to develop quality, concentration, discipline, and breadth in drawing. The content includes experiences in the development of skills in the perceptual and conceptual aspects of drawing techniques of preparation, presentation, and evaluation of portfolio content. Students will demonstrate perceptual abilities and drawing skills in rendering three-dimensional forms on a flat surface, the ability to communicate meaning in conceptual art forms, produce works judged to have aesthetic quality, the goal of artistic

expression through drawing, the ability to solve a wide variety of drawing problems as well as the mastery of techniques for preparation, presentation, and evaluation of portfolio content.

Grades: 10-12

Prerequisite: 2-D Art, teacher approval

**0109350 – ADVANCED PLACEMENT STUDIO ART 2D**

This AP course is intended to address a very broad interpretation of two-dimensional (2-D) design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. It is for the advanced student who wishes to seek AP credit through submitting a Portfolio of work for consideration by the College Board. The content will include the advanced study of the elements of design and the advanced study of the principles of design.

Grades: 10-12

Prerequisite: 2-D Art, teacher approval

**0109360 – ADVANCED PLACEMENT STUDIO ART 3D**

This AP course is intended to address a very broad interpretation of sculptural issues in three-dimensional (3-D) design. Such elements and concepts may be articulated through additive, subtractive, and/or fabrication processes. It is for the advanced student who wishes to seek AP credit through submitting a Portfolio of work for consideration by the College Board. The content includes advanced study of the elements of design and the advanced study of the principles of design including a variety of 3-D forms such as traditional sculpture, architectural models, apparel, ceramics, jewelry, and three-dimensional fiber arts or metalwork.

Grades: 10-12

Prerequisite: 2-D art, Teacher Approval

## **ATHLETIC TRAINING**

### **15024901 – CARE AND PREVENTION OF ATHLETIC INJURIES (.5 credit class)**

This course is offered to introduce athletic training and the career opportunities it represents. The purpose is to convey knowledge of basic taping techniques as well as human anatomy and physiology as it relates to the nature, prevention, care, and rehabilitation of athletic injuries. Students must be able to attend practices after school and attend sporting events.

Grades: 10-12

Prerequisite: **Athletic trainer approval**, paired with First Aid and Safety, successful completion of Personal Fitness or HOPE, and Biology 1

### **08003202 - FIRST AID AND SAFETY (.5 credit class)**

The purpose of this course is to enable students to acquire skills in first aid, emergency care, and personal safety. Students will learn first-aid procedures and adult, child, and infant CPR. Students will be able to identify community resources and services as well as career and public service opportunities.

Grades: 10-12

Prerequisite: Successful completion of Care and Prevention of Athletic Injuries

### **15013800 - PERSONAL FITNESS TRAINER**

The purpose of this course is for students to have the opportunity to use skills acquired in Care and Prevention of Athletic Injuries and First Aid and Safety. Students will be required to participate in after school practices for on the job training of skills learned. Students will need to provide their own transportation as well as time in order to fulfill duties outside of classroom.

Grades: 11, 12

Prerequisite: Care & Prevention of Athletic Injuries, and First Aid and Safety, **Athletic trainer approval**

## **COMMUNICATION TECHNOLOGY**

### **8207310 – DIGITAL INFORMATION TECHNOLOGY**

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Digital Information Technology includes the exploration and use of databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards. After successful completion of this core course, students will have met Occupational Completion Point A, Information Technology Assistant - SOC Code 15-1151. *Class will fulfill fine arts graduation.*

Grades: 9-12

Prerequisite: None

**Digital Video Production** (*All classes fulfill the fine arts graduation requirement and are part of Career Pathways, see page 46*)

### **8772410 - DIGITAL VIDEO PRODUCTION 1**

This class is an introduction to Digital Video production techniques. Emphasis will be placed on camera and lighting techniques, scriptwriting, jobs within the industry, legal and technical issues, and history of video production, teamwork and the use of video editing software (iMovie). Most projects will be in the one- to five-minute consisting of ads, short stories, news stories, etc.

Grades: 9-12

Prerequisite: None

### **8772420 - DIGITAL VIDEO PRODUCTION 2**

The purpose of this class is to build on the first course of Digital Video Production. Students will be able to demonstrate safe and efficient work practices, generate a production schedule, create appropriate lighting for location and/or set productions, operate a video camera, record, mix and edit audio resources, operate control room equipment, organize and edit video resources, and describe the importance of professional ethics and legal responsibilities.

Grades: 10-12

Prerequisite: Digital Video Production 1

### **8772430 - DIGITAL VIDEO PRODUCTION 3**

The purpose of this class is to prepare students for initial employment as production assistants, audio/video equipment technician, video/TV camera operators, video editors, multi-media artists/animators and broadcast technicians. The content should include, but is not limited to, communication skills; leadership skills; human relations and employability skills; safe and efficient work practices; and preparation to assume responsibility for overall production of digital video activities including scripts, lighting, camera operation, electronic news gathering, field/studio production, and video editing.

Grades: 11, 12

Prerequisite: Digital Video Production 2

**8772440 - DIGITAL VIDEO PRODUCTION 4**

The purpose of this class is to prepare students for initial employment as production assistants, audio/video equipment technician, video/TV camera operators, video editors, multi-media artists/animators and broadcast technicians. The content should include, but is not be limited to, communication skills; leadership skills; human relations and employability skills; safe and efficient work practices; and preparation to assume responsibility for overall production of digital video activities including scripts, lighting, camera operation, electronic news gathering, field/studio production, and video editing.

Grade: 12

Prerequisite: Digital Video Production 3

**DRIVER EDUCATION****19003100 - DRIVER EDUCATION CLASS/LAB**

The purpose of this course is to introduce students to the highway transportation system and to provide instruction in strategies that will develop driving knowledge and skills. Course content includes an in-depth study of the scope and nature of accident problems and how to avoid them. In addition, the course discusses the effects of drugs and alcohol while operating a motor vehicle.

Grades: 10-12

Prerequisite: Eligible for a Learner's Permit; 15 years of age

**EXPERIENTIAL EDUCATION****AVID I-IV (Advancement Via Individual Determination)**

The purpose of this course is close the achievement gap by preparing all students for college readiness and success in a global society. This course provides support for students through curricular and mentoring activities. It develops the fundamental skills in the following: academic instruction and support for students taking college preparatory/advanced courses, strategies for acquiring, storing, and retrieving information and linking new information with prior knowledge, strategies for oral and written communication, skills for personal success, including time management and organizational skills, and college awareness and potential.

Grades: 9-12

Prerequisite: Application only

**05003000 - EXECUTIVE INTERNSHIP I**

The purpose of this course is to provide a practical introduction to the work environment through direct contact with professionals in the community. Students apply textbook learning, leadership skills and understanding in challenging and creative professional areas.

Grade: Requires administrative approval

Prerequisite: 3.25 unweighted GPA, no discipline records, and Administrative Approval

**FAMILY AND CONSUMER SCIENCES (FASHION)**

*(All courses fulfill the fine arts requirement for graduation. Courses are part of Career Pathways see page 46) A fee may be assessed to help cover the cost of consumable materials.*

**8506405 – DESIGN SERVICES CORE/FASHION 1**

This course is the core class for the Fashion Design Services program. It is designed to develop competencies in the areas of the fashion design industry. It includes essential basic skills for working in design services, leadership and organizational skills, basic principles of design, textile characteristics and care, employability skills, relationship of human factors to design services, safe use of tools and equipment, and selection of appropriate materials.

Grades: 9-12

Prerequisite: None

**8506410 - PRINCIPLES OF FASHION DESIGN SERVICES/FASHION 2**

This course is the second class of the Fashion Design Services program. It is designed to further develop competencies in the area of Fashion Design Services. Content includes employment opportunities in fashion design services, basic skills essential to working in this industry, employability skills, elements and principles of design, the terminology of the apparel industry, garment construction skills, sales techniques, and entrepreneurship.

Grades: 10-12

Prerequisite: Successful Completion of Design Services Core

**8506420 - PATTERN DESIGN TECHNIQUES/FASHION 3**

This course is the third class in the Fashion Design Services program. It is designed to further develop competencies in the area of fashion design services. It includes researching history and culture's effect on design, sketching and free hand drawing, use of technology in the fashion industry, clothing needs for special populations, and creation of an original pattern.

Grades: 11, 12

Prerequisite: Successful Completion of Principles of Fashion Design Services

**8506430 - FASHION DESIGN SPECIALIST/FASHION 4**

This course is the fourth class in the Fashion Design Services program. It is designed to further develop competencies in the area of Fashion Design Services. This course focuses on five specialty areas of Fashion Design Services: Window Display, Fashion Design Assistant, Tailor's Assistant, Personal Shopper, and Stylist. Students will select one of those specialty areas and will be expected to follow the performance standards for that area. Also, included is an opportunity for job shadowing and students will be expected to finalize and submit a portfolio.

Grade: 12

Prerequisite: Successful Completion of Pattern Design Techniques



## HEALTH SCIENCE

### **8417100 – HEALTH SCIENCE 1**

This course is an introduction to the field of Allied Health. The course contains an overview of the human body, including organization and chemical processes and abnormal growth. Students will learn correct medical terminology relating to body structure and function and will be able to identify cells and tissues and discuss the structure and function of the body systems.

Grades: 9-12

Prerequisite: none

### **8417110 – HEALTH SCIENCE 2**

This course is designed help advance students understanding of the Allied Health Field. Students will learn about the importance of professional ethics and preview how to respond to emergency medical situations. Students will learn the importance of teamwork and professionalism in the field.

Grades: 10-12

Prerequisite: Health Science 1

### **8417131 - ALLIED HEALTH ASSISTING 3**

This course is designed for students to perform skills related to the body systems. Clinical laboratory type skills will be to be taught in this course in line with state standards for health science.

Grades: 11, 12

Prerequisite: Health Science 2

## LANGUAGE ARTS

### **1006300Y-1006330Y - JOURNALISM I-IV: Yearbook**

The yearbook course is designed to provide students with journalism skills and the ability to apply those skills to the actual production of the yearbook. Units of study include content production, writing style, layout, design, advertising, and distribution, the history of Journalism, and ethics and legal issues. (*Journalism I is the only course that fulfills the Fine/Practical Arts requirement*)

Grades: 10-12

Prerequisite: Teacher approval

### **1007330 – DEBATE 1**

The purpose of this course is to develop students' beginning awareness, understanding, and application of language arts as it applies to oral communication concepts and strategies for public debate in a variety of given settings. Students will be delivering and analyzing a variety of argument and debate formats such as Lincoln-Douglas, team debate and extemporaneous. Students will develop an understanding and application of oral communication concepts and strategies for public speaking, acting, and debate in a variety of settings. The course content will include delivering and analyzing a variety of speeches, debate formats, and demonstrating use of techniques for forensic activities, including individual acting events. Students will evaluate the veracity of claims and the reliability of sources, and demonstrate appropriate formal and informal public speaking techniques for audience, purpose, and occasion.

Prerequisite: None

**1006375 – SOCIAL MEDIA 1**

The purpose of this course is to enable students to develop fundamental skills in the use of social media across print, multimedia, web, and broadcast platforms, including ethical and legal uses. This is a semester course.

Prerequisite: None

**1700500 – AP CAPSTONE SEMINAR**

AP Capstone™ is an innovative diploma program from the College Board that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone is built on the foundation of two AP courses — AP Seminar and AP Research. They are designed to complement and enhance the in-depth, discipline-specific study experienced in other AP courses. In AP Seminar, students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments. In AP Research, students cultivate the skills and discipline necessary to conduct independent research and inquiry in order to produce and defend their scholarly work. AP Research will be offered in the 2019-2020 school year.

Prerequisite: Junior level course

**LEADERSHIP SKILLS DEVELOPMENT****24003000/24003100/24003200/24003300 - LEADERSHIP SKILLS DEVELOPMENT I-IV (LONGHORN LEGION)**

The purpose of this course is to teach leadership skills, parliamentary procedure, problem solving, and decision-making, as well as communication skills, group dynamics, time and stress management, public speaking, human relations, team building and other group processes. This class is recommended for current and aspiring student government leaders.

Grades: 9-12

Prerequisite: Application & Teacher Approval

**MUSIC**

*(All courses fulfill the fine arts requirement for graduation.)*

**Instrumental Music:****13023000 - BAND I (Band introduction)**

This course develops musical skills in band instrumental performance. Content includes development of characteristic tone, technique, scales, phrasing, rhythmical technique, and musical terms. The student's performance at practices, parades, special performances, football games, and competitions may be used in determining the grade in this course.

Grades: 9-12

Prerequisite: None

**13023100/13023200/13023300 - BAND II/III/IV**

This course develops musical skills in band instrumental performance. Content includes development of characteristic tone, further development of scales, music reading, sight-reading, more advanced rhythmic studies, and form. The student's performance at practices, parades, special performances, football games, and competitions may be used to determining the grade in this course.

Grades: 9-12

Prerequisite: Successful completion of sequential class

**13023400/13023500 – BAND V/VI HONORS**

This course includes the development of advanced instrumental ensemble techniques and skills, extended music literacy and theory, and deep aesthetic engagement. Musical independence and leadership are particularly encouraged in this setting. Extra rehearsals and performance are required and students must serve as members of the marching band.

Grades: 11, 12

Prerequisite: Successful completion of Band IV, Teacher Placement

**13024200 – Instrumental Techniques (Drum Line)**

The purpose of this course is to help students enhance their skill set on the drums and other percussion instruments.

Grades: 9-12

**13013200 - GUITAR I**

The purpose of this course is to enable students to develop basic skills in guitar performance, including interpretation of notation and performance in varied styles.

Grades: 9-12

Prerequisite: None

**13025000 - JAZZ ENSEMBLE**

This course is for advanced instrumental musicians who wish to further their music through diverse music compositions. Musical independence and leadership are key for this course. Performance required.

Grades: 9-12

Prerequisite: Successful completion of Band 1

**13023600/13023700/13023800/13023900/13024000 – ORCHESTRA I-IV (V is Honors)**

Students who have little or no orchestral experience study and perform high-quality beginning orchestra literature of diverse times and styles. Rehearsals focus on the development of critical listening skills, rudimentary string techniques, music literacy, ensemble skills, and aesthetic awareness. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, rent, purchase) an instrument from an outside source.

Grades: 9-12

Prerequisite: None/successful completion of sequential course

**Vocal Music:**

**13033000 - CHORUS I**

This course provides students with experiences in basic vocal production techniques and part-singing. Content includes enabling students to develop basic fundamental skills in vocal tone production and choral performance techniques.

Grades: 9-12

Prerequisite: None

**13033100/13033200/1303330 - CHORUS II-IV (V/VI Honors)**

The purpose of this course is to enable students to develop intermediate-level individual and ensemble skills in choral performance through preparation of varied high school literature. Emphasis is placed on healthy and expressive singing, accurate interpretation of notation, and development of critical and aesthetic response to music.

Grades: 9-12

Prerequisite: Successful completion of sequential course

**13034400/13034500/13034600 – Music Ensemble**

This course is an advanced level vocal ensemble. Musical independence and leadership are important in this course. Students will explore advanced vocal techniques.

Grades: 10-12

Prerequisite: Teacher Placement

**PHOTOGRAPHY**

*(This course fulfills the fine arts requirement for graduation.)*

**01083100 – CREATIVE PHOTOGRAPHY I**

The purpose of this course is to enable students to develop fundamental skills and creative approaches in photographic imagery, processes, and techniques. The content includes the use of equipment, tools, and materials art and photography vocabulary media, software, processes, and techniques elements of art and principles of design formal and expressive elements types and functions of cameras and film use of light and exposure darkroom and digital photographic processing.

Grades: 09-12

Prerequisite: Teacher approval, spring sign-up

**01083200 – CREATIVE PHOTOGRAPHY II**

The purpose of this course is to enable students to develop basic skills and creative approaches in photographic imagery, processes, and techniques. The content includes the following: use of equipment, tools, and materials, art and photography vocabulary, media, software, processes, and techniques, elements of art and principles of design, formal, expressive, and conceptual elements, types and functions of cameras and film, use of light and exposure, darkroom and digital photographic processing, presentation techniques, technological, historical, and cultural perspectives, critical thinking and analysis, connections between photography and other subject areas, personal and social benefits.

Grades: 10-12

Prerequisite: Creative Photography I & teacher approval, spring sign-up

**PHYSICAL EDUCATION**

*(All physical education classes require that students dress for exercise.)*

**15013000/15013100 – PERSONAL FITNESS/ FITNESS LIFE-STYLE DESIGN GRADUATION REQUIREMENT**

The purpose of this course is to develop healthy behaviors that influence lifestyle choices for students. The content includes fitness and health concepts, wellness and nutrition plans, safety and injury prevention, mental and emotional health, stress management, disease prevention, tobacco, alcohol, drug use and abuse, and teen pregnancy prevention.

Grades: 9-12

Prerequisite: None

**15033100/15033150 - BASKETBALL/BASKETBALL 2**

This course provides students with opportunities to acquire knowledge and skills in basketball that may be used in recreational pursuits today, as well as later in life, and to maintain or improve personal fitness.

Grades: 9-12

Prerequisite: None

**15024100/15024200 - INDIVIDUAL AND DUAL SPORTS I/II**

The purpose of this course is to enable students to develop knowledge and skills in specified individual and dual sports and to maintain or improve personal fitness. The content includes the following safety practices, rules, terminology, and etiquette, history, biomechanical and physiological principles, techniques and strategies, and fitness assessment.

Grades: 9-12

Prerequisite: None

**15024700/15024800 - RECREATION/OUTDOOR EDUCATION**

This course provides students with opportunities to acquire knowledge and skills of different sports. Students will acquire skills used in recreational pursuits today, as well as later in life, and to maintain or improve personal fitness.

Grades: 9-12

Prerequisite: None

**15033200/15013200 – SOCCER/FITNESS ISSUES FOR ADOLESCENCE**

This course provides students with opportunities to acquire knowledge and skills in soccer that may be used in recreational pursuits today, as well as later in life, and to maintain or improve personal fitness.

Grades: 9-12

Prerequisite: Teacher Placement

**15033500/15033600 - TEAM SPORTS I/II**

This provides students with opportunities to acquire knowledge of team sports play, develop skills in selected team sports, and maintain or improve personal fitness. Content includes rules and safety practices necessary to participate in selected team sports.

Grades: 9-12

Prerequisite: None

**15003300/15024300 – TRACK AND FIELD/INDIVIDUAL AND DUAL III**

The purpose of this course is to enable students to develop knowledge and skills in a variety of track and field activities and to maintain or improve health-related fitness. The content includes safety practices, rules and terminology, history, biomechanical and physiological principles, techniques and strategies, sportsmanship, fitness activities, assessment of skills and health-related fitness, officiating, organization and administration of track and field activities, consumer issues, and benefits of participation.

Grades: 9–12

Prerequisite: Teacher placement

**15013400/15013500- WEIGHT TRAINING I and II**

The purpose of this course is to help students acquire basic knowledge and skills in weight training that may be used in physical fitness pursuits. The course is designed to improve muscular strength and endurance, and to enhance body image. The students are required to set up their own program in nutrition, stretching, and strength and demonstrate improvements over a given period of time.

Grades: 10-12

Prerequisite: None

**15013600/15013900 - WEIGHT TRAINING III and COMPREHENSIVE FITNESS**

This course involves reinforcement of basic weight training, knowledge of safety practices, application of knowledge of designing and implementing a personal weight-training program to meet specific needs and goals, and knowledge of the organization and administration of weight lifting activities.

Grades: 11, 12

Prerequisite: Weight Training I and II

**15014100 - POWER WEIGHT TRAINING I**

The purpose of this course is to enable students to acquire basic knowledge and skills in power weight training and to maintain or improve personal fitness. Content includes safety practices, rules and terminology, techniques and strategies, biomechanical and physiological principles, as well as fitness assessment.

Grades: 12

Prerequisite: Teacher placement

**STEM (SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS)****02003350 – AP COMPUTER SCIENCE PRINCIPLES**

AP Computer Science Principles introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking, and inviting students to understand how computing changes the world. Students develop innovative computational artifacts using the same creative processes artists, writers, computer scientists, and engineers use to bring ideas to life.

Grades: 9-12

Prerequisite: none

**Engineering Technology** *(All courses fulfill the fine arts requirement for graduation. Courses are part of Career Pathways see page 46)*

**86005500 - INTRODUCTION TO ENGINEERING DESIGN**

This course teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed, and communicated using solid modeling computer design software.

Grades: 9-12

Prerequisite: Successful completion of Algebra 1 or teacher placement

**86005200 - PRINCIPALS OF ENGINEERING**

This course helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science, and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change.

Grades: 10-12

Prerequisite: Introduction to Engineering Design

**86005300 - DIGITAL ELECTRONICS**

This is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices.

Grades: 11, 12

Prerequisite: Principals of Engineering or teacher placement

**86006590 – CIVIL ENGINEERING & ARCHITECTURE**

This course is designed to give a clear understanding of Civil Engineering and Architecture, the study of the design and construction of residential and commercial building projects. The course includes an introduction to many of the varied factors involved in building design and construction including building components and systems, structural design, storm water management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry.

Grade: 12

Prerequisite: Digital Electronics or teacher placement

**86000650 – ENGINEERING DESIGN AND DEVELOPMENT**

This course is the capstone course in the PLTW high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

Grade: 12

Prerequisite: Teacher placement

**Gaming Simulation and Animation Programming** *(All courses fulfill the fine arts requirement for graduation. Courses are part of Career Pathways see page 46.)*

**8208110 – GAME AND SIMULATION FOUNDATION/GAME 1**

This course is designed to study different genres of games, history of games and simulation, where is gaming and simulation going, marketing strategies, design and build different games. Resources: "Gamemaker" magazine - free game making program, various web sites, books, gaming systems.

Grades: 9-12

Prerequisite: None

**8208120 - GAME AND SIMULATION DESIGN/GAME 2**

This course covers fundamental principles of designing a game or simulation application, in particular Human Computer Interface (HCI) principles, rules and strategies of play, conditional branching, design and development constraints, the use of sound and animation, design tools, and implementation issues. The content includes market research, product design documentation, storyboarding, proposal development, and presentation of a project report. Emphasis is placed on the techniques needed to develop a well-documented, structured game or simulation program.

Grades: 10-12

Prerequisite: Game and Simulation Foundation

**8208330 - GAME AND SIMULATION PROGRAMMING/GAME 3**

This course will delve deeper into the code programming skills necessary to code games and simulations. Environments like Visual C# and a gaming engine will be used to enhance the students' knowledge of coding allowing them to write more involved games or simulations.

Grades: 11, 12

Prerequisite: Game and Simulation Design

**8208340 - MULTI-USER GAME & SIMULATION PROGRAMMING/GAME 4**

This course is focused on students acquiring the appropriate programming skills for rendering a game or simulation product, including program control, conditional branching, score-keeping, timed event strategies and methodologies, and implementation issues specific to multi-user game/simulation products.

Grade: 12

Prerequisite: Game and Simulation Programming



**THEATER/ACTING***(All courses fulfill fine arts requirement for graduation.)***0400310 - THEATER I**

Explores the basics of theater, including drama appreciation, script interpretation, drama history, stagecraft, and playwriting. This course develops the budding actor's confidence and skills with improvisation, pantomime, and character work. All students must keep a notebook.

Grades: 9-12

Prerequisite: None

**0400410 – TECHNICAL THEATER DESIGN AND PRODUCTION 1**

Students focus on developing the basic tools and procedures for creating elements of technical theatre, including costumes, lighting, makeup, properties (props), publicity, scenery, and sound. Technical knowledge of safety procedures and demonstrated safe operation of theatre equipment, tools, and raw materials are central to success in this course. Students explore and learn to analyze dramatic scripts, seeking production solutions through historical, cultural, and geographic research. Students also learn the basics of standard conventions of design presentation and documentation; the organizational structure of theatre production and creative work in a collaborative environment; and the resulting artistic improvement.

Grades: 9-12

Prerequisite: None

**0400420 – TECHNICAL THEATER DESIGN AND PRODUCTION 2**

Students focus on the design and safe application of basic tools and procedures to create elements of technical theatre, including costumes, lighting, makeup, properties (props), publicity, scenery, and sound. Students develop assessment and problem-solving skills; the ability to connect selected literature to a variety of cultures, history, and other content areas. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom.

Grades: 9-12

Prerequisite: None

**0400370 – ACTING 1**

Through this course, students will learn improvisation, simple scripted scenes, performance projects, and/or practical application, students learn to identify what makes performances believable and explore the tools used to create, articulate, and execute them. Upon completion of this course, students have a strong foundation for future scene work, script analysis, and play production. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

Grades: 9-12

Prerequisite: None

**0400380 – ACTING II**

This course continues the student's development of acting and technical skills. Students must develop pieces for competition. Students must devote time beyond regular class hours to rehearsals, competitions, and performances. One extensive research project is required during second semester.

Grades: 10-12

Prerequisite: Successful completion of Acting I

**0400390 – ACTING III**

This course continues the student’s development of acting and technical skills. Students must develop pieces for competition. Students must devote time beyond regular class hours to rehearsals, competitions, and performances. One extensive research project is required during the second semester.

Grades: 11, 12

Prerequisite: Successful completion of Acting II

**0400400 – ACTING IV HONORS**

This course continues the development of the student’s acting and technical skills. Students must develop pieces for competition. Students must devote time beyond regular class hours to rehearsals, competitions, and performances. One extensive research project is required during the second semester.

Grade: 12

Prerequisite: Successful completion of Acting III

**WORLD LANGUAGES****07013200 - FRENCH I**

This course will develop listening, speaking, reading, and writing skills, including pronunciation and oral communication in the French language. After completing this course, the student will be able to understand a basic conversation with a nonnative French speaker and be able to communicate simple and personal information, verbally and in writing. This course will empower the student with a basic knowledge of the French culture.

Grades: 9-12

Prerequisite: None

**07013300 - FRENCH II**

This course will develop listening, speaking, reading, and writing skills, including pronunciation and oral communication in the French language. The student will be able to understand an intermediate conversation with a nonnative French speaker and be able to communicate basic information, verbally and in writing. After completing this course, the student will be able to read and write French on a basic level.

Grades: 9-12

Prerequisite: Successful completion of French I

**07013400 - FRENCH III Honors**

This course will enhance the skills required in French I and II. After completing this course, the student will be able to understand an intermediate conversation with a native French speaker and be able to communicate using more advanced, verbally and in writing communicative structures. Special attention will be placed on reading comprehension skills through the acquisition of more vocabulary.

Grades: 10-12

Prerequisite: Successful completion of French II

**07013800 - ADVANCED PLACEMENT FRENCH LANGUAGE**

The purpose of this course is to comprehend formal and informal spoken French. Students will gain knowledge of vocabulary and structure that allows accurate reading of newspaper and magazine articles, as well as of modern French literature, and compose expository passages. Students will be able to express ideas orally with accuracy and fluency, as they actively participate in French in a discussion of various topics. College credit can be earned by successful performance (3 or above) on the Advanced Placement exam administered in May.

Grades: 11, 12

Prerequisite: Successful completion of French III

**0705320 - ITALIAN I**

This course is to enable students to begin to acquire proficiency in Italian through a linguistic, communicative, and cultural approach to language learning. Emphasis is placed on the development of listening, speaking, reading, and writing skills and on acquisition of the fundamentals of applied grammar. Cross-cultural understanding is fostered and real-life applications are emphasized throughout the course. This course will empower the student with a basic knowledge of the Italian culture.

Grades: 9-12

Prerequisite: None

**0705330 - ITALIAN II**

This course is designed to augment the basic skills of listening; speaking, reading and writing that were learned in Italian I. At this level, the students are introduced to reading of intermediate difficulty as well as exposed to more complex grammar formation. This will all be accomplished by the usage of authentic material with regard to customs, culture and traditions, presentations, class discussions and general interaction in the classroom. Upon completion of this course, the student will be able to read and write Italian on a basic level.

Grades: 10-12

Prerequisite: Successful completion of Italian I or Teacher Approval

**0705340 - ITALIAN III HONORS**

Italian 3 provides mastery and expansion of skills acquired by the students in Italian 2. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities, which are important to the everyday life of the target language-speaking people.

Grades: 10-12

Prerequisite: Successful completion of Italian II or Teacher Approval

**0705350 - ITALIAN IV HONORS**

Italian 4 expands the skills acquired by the students in Italian 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes, including writing. Reading selections are varied and taken from the target language newspapers, magazines, and literary works.

Prerequisite: Successful completion of Italian III or Teacher Approval

**07083400 - SPANISH I**

This course will develop listening, speaking, reading, and writing skills, including pronunciation and oral communication in the Spanish language. After completing this course, the student will be able to understand a basic conversation with a nonnative Spanish speaker and be able to communicate simple and personal information, verbally and in writing. This course will empower the student with a basic knowledge of the Spanish culture.

Grades: 9-12

Prerequisite: None

**07083500 - SPANISH II**

This course will reinforce the fundamental skills acquired by the students in Spanish I, including grammatical construction of the Spanish language. After completing this course, the student will be able to understand an intermediate conversation with a nonnative Spanish speaker and be able to communicate basic information verbally and in writing. This course will also empower the student with a general knowledge of the Spanish culture.

Grades: 9-12

Prerequisite: Successful completion of Spanish I

**07083600 - SPANISH III Honors**

This course will enhance the skills acquired in Spanish I and II. After completing this course, the student will be able to understand an intermediate conversation with a native Spanish speaker and be able to communicate using structures that are more advanced verbally and in writing. Intensive use of vocabulary for comprehension is an integral part of this class.

Grades: 10-12

Prerequisite: Successful completion of Spanish II

**07084000 - ADVANCED PLACEMENT SPANISH LANGUAGE**

The purpose of this course is to develop oral and written fluency in the language. The student will be able to understand a lecture in Spanish and participate actively in a discussion of a literary topic. Students will read modern Spanish and Hispanic-American literature in all genres. In addition, students will analyze the form and content of literary work, critically, orally and in writing. College credit can be earned by successful performance (3 or better) on the Advanced Placement exam in May.

Grades: 11-12

Prerequisite: Successful completion of Spanish III

**RESOURCES FOR SUCCESS**

If you are having difficulty in a class, please make sure that you speak with your teacher and use the following resources:

- 1) After School Tutoring—See HHS website or inquire in the Guidance office
- 2) FOCUS - is a useful tool to check grades and upcoming assignments. Your username is your ID number and your password is your computer login for the student computers at HHS.
- 3) Khan Academy - [www.khanacademy.org](http://www.khanacademy.org)  
Khan Academy offers practice exercises, instructional videos, and a personalized learning dashboard that empower learners to study at their own pace in and outside of the classroom. Khan Academy can assist students for SAT prep and math support, among many other subject areas.

## Help with the EOC Exams

### Algebra EOC

1) **12004000 - INTENSIVE MATH: EOC retakes will be administered in Fall**

This course is intended for students who did not earn a level 3 on the Algebra 1 EOC assessments (EOC). This course will earn elective credit and must be taken in addition to student's regular math course. Placement is by administrative approval.

2) Concordant score—students can earn a 97 on the P.E.R.T. math subtest to bypass the Algebra 1 EOC.

### Biology/Geometry/U.S. History EOC

1) See HHS website for study guides.

## Help with FSA ELA Reading (English Language Assessment)

1) **10004100 - INTENSIVE READING**

These courses are intended for students who do not reach a level 3 performance requirement on state-wide assessments (FSA ELA) Reading. Each student will earn elective credit for this course. These courses must be taken in addition to student's English class. Placement is by administrative approval.

2) FSA ELA See HHS Website for study guides

3) Practice Tests—see Harmony Website under Guidance/Testing

4) Concordant scores—students can earn a 19 on the ACT reading subtest or a 430/24 subtest on the SAT Critical Reading section to bypass the 10<sup>th</sup> grade FSA ELA. Please see your guidance counselor or the HHS website for details.

# Career Pathways



## CAREER PATHWAYS

In the Osceola School District, Career Pathways is designed to provide students a seamless pathway from middle school, through high school, and into post-secondary education. Post-secondary education might include university, technical school, community college, or apprenticeship. A Career Pathway prepares students for success in each of these options; the correct option after high school is best determined by the student's career plans. Students begin their middle school years with introductory and exploratory classes in careers. Once in high school, students can continue in classes and programs that provide specific training toward a desired career.

These programs prepare students to enter the appropriate college, technical institute, or entry level job in their chosen career, often with a recognized industry certification and/or a Florida Gold Seal Vocational Scholars Award.



In addition, students who complete a Career Pathway program develop the employability and technical skills required by employers in today's globally competitive marketplace.

**Harmony High School provides a wide variety of Career Pathways (Career and Technical Education or CTE) programs for students. Many programs offer special benefits to students.**

### CAREER ACADEMIES

A Career Academy is a small learning community within a high school that provides rigorous and relevant instruction focused on preparation for both the workplace and college. It goes beyond traditional Career and Technical Education to integrate academic and technical curricula, raise student ambitions, increase career options, and provide a meaningful learning context for all students.

Academies combine a college-preparatory curriculum with a career theme. Academic courses are linked with technical courses that focus on the academy's field of work.



A Career Academy is comprised of a cluster of students who have some of the same teachers for at least two years, and who share several classes each year.

Career Academies partner with local businesses and help provide work-based experiences for Academy students.

To become part of a Career Academy at Harmony High School, contact the Academy's CTE teacher to apply for the Academy and to help you enroll in the appropriate courses.

### POST- SECONDARY ARTICULATION

Many Career Pathway courses and programs provide students the opportunity to gain free college credit from Valencia Community College or free course acceleration from the Technical Education Center of Osceola (TECO). Industry Certification can also provide opportunity for free college credit from some state universities.

To participate in this articulation process, students should talk with their CTE teacher to find out the specific requirements for their program.



**GOLD SEAL VOCATIONAL SCHOLARS AWARD**



Most Career Pathway (CTE) courses qualify for this scholarship. All CTE courses offered at Harmony High School qualify for Gold Seal if the student completes the CTE program (at least 3 courses in order within the same program). Qualifying courses are listed on the Florida Bright Futures Scholarship Program Comprehensive Course Table available online:






[https://www.osaffelp.org/bfiehs/fnbpcm02\\_CCTMain.aspx](https://www.osaffelp.org/bfiehs/fnbpcm02_CCTMain.aspx)

**Harmony High School offers the following Career Academies, Career Pathway Programs and career/technical courses:**



**Key:** Columns are checked to show if the Career Pathway (CTE) program:  
**CPC** Is a complete program offering industry certification  
**CA** Is a Career Academy  
**PSA** Provides possibilities for Post-Secondary Articulation  
**GSV** Applies to Gold Seal Vocational Scholar Award

HIGH SCHOOL PROGRAM	COURSES IN THE PROGRAM	CPC	CA	PSA	GSV
<b>Communication and Multi-media Technology: Digital Video Production</b> 	<b>Digital Video Production:</b> Digital Video Production 1 Digital Video Production 2 Digital Video Production 3 Digital Video Production 4	✓	✓	✓	✓
<b>Communication and Multi-media Technology: New Media</b> 	<b>Digital Media:</b> 1) Computing for College & Careers 2) Digital Media Foundations 1 3) Digital Media Foundations 4 Dreamweaver 4) Digital Media Foundations 5 Flash	✓	✓	✓	✓

<p><b>STEM:Gaming / Simulation / Animation Programming</b></p> 	<p>1) Game &amp; Simulations Foundations 2) Game &amp; Simulation Design 3) Game &amp; Simulation Programming 4) Multi-User Game &amp; Simulation Programming</p>	✓	✓	✓	✓
<p><b>STEM: Pathways to Engineering</b></p> 	<p>Introduction to Engineering Design Principles of Engineering Digital Electronics Civil Engineering and Architecture Engineering Design &amp; Development</p>	✓	✓	✓	✓
<p><b>Agriscience Technology: Agritechnology</b></p> 	<p>Agriscience Foundations 1 Agritechnology 1 Agritechnology 2 Agribusiness Cooperative Education (OJT)</p>	✓	✓		✓
<p><b>Agriscience Technology: Veterinary Assisting</b></p> 	<p>Veterinary Assisting 1 Veterinary Assisting 2 Veterinary Assisting 3 Veterinary Assisting 4 Veterinary Assisting 5 Agribusiness Cooperative Education (OJT)</p>	✓	✓		✓
<p><b>Fashion Design Services</b></p> 	<p>Design Services Core Principles of Fashion Design Services Pattern Design Techniques Fashion Design Specialist</p>	✓			✓

