

# Harmony High School

## 2012-2013 Curriculum Guide



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As a student enrolled in an Osceola County high school, you are given the opportunity each spring to select course work for the following year. It is important that you involve your parents in course selection, make certain you have taken the proper prerequisites, and keep high school graduation requirements and career objectives in mind. This guide is designed to aid you in making appropriate choices by providing brief program and course descriptions, prerequisites, and other information pertinent to this process. In order to complete registration successfully, you are urged to follow the steps identified below:

- **READ** the curriculum carefully.
- **REVIEW** the list of graduation requirements and determine which requirements have been met and which courses need to be taken next year. Consider courses that need to be repeated because of unearned credit.
- **TALK** to your parents and teachers about course selections and appropriate academic levels (general, honors, or career and technical) as determined by your classroom teacher.

*General Courses:* Courses designed for students who have an overall background of average achievement.

*Honors, Advanced Placement, and Dual Enrollment Courses:* Courses designed for self-motivated students who wish to pursue a four-year collegiate program.

*Technical Courses:* Courses designed to prepare students for employment and/or post-secondary education in a career of their choice.

- **SELECT** courses that will correspond or complement your goals for the future.

**The administration reserves the right to make necessary changes based on class size and teacher load as determined by state/district standards.**

**PLEASE NOTE:**

- 1) Students who score at Level 1 or 2 on the FCAT Reading Comprehension will be placed in Intensive Reading for the entire year.

**Section 2: General Information**

**Grade Classification**

The following classification system applies to high school students in the district:

Classification	Timeline	# of Credits
Sophomore	August	5
	January	7
Junior	August	11
	January	14
Senior	August	18
	January	20
	June	24



**Grading Scale/Weighted Grades**

At the high school level, a numerical average is determined by the teacher at the end of each nine-week period, and the corresponding letter grade is recorded on the report card. The semester examination score is also converted to the corresponding letter grade, and recorded on the report card. To determine the final grade, the numerical grades are averaged together, and the numerical average is converted to the corresponding letter grade and reported on the report card.

All district high schools adhere to the following state-adopted scale for grading and reporting pupil progress.

GRADE	PERCENT	POINT VALUE (Unweighted)	Weighted-Honors (beg. Class of 2014)	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)

**Grade Forgiveness**

If you earn a “D” or an “F” in a course, you may repeat the course to improve your skills, raise the grade, and increase your overall grade point average (GPA). However, credit for the course will be awarded only once. Students must earn a “C” or higher in the repeated course to earn grade forgiveness.

**Types of Diplomas**

Students in Osceola County schools may earn the following types of diplomas:

**Regular Diploma** – Issued to students who meet the requirements specified for graduation. The requirements for a standard diploma are:

OVERALL CREDIT REQUIREMENTS	CREDITS
Core courses	16
Electives	8
Total credits for a high school diploma	24

**Certificate of Completion** - Issued to students who have met the above requirements for graduation except earning a passing score on the Florida Comprehensive Assessment Test (FCAT) or Concordant Scores on the ACT/SAT.

**Special Diploma** – A special diploma is option for students who are placed in an Exceptional Student Education Program. Specific requirements will be discussed at the student’s annual IEP meeting. Additional information can be obtained by contacting the ESE Compliance Specialist.

There are additional **graduation options** in the state of Florida that will lead to a regular diploma. See your Guidance Counselor for details.

**Section 3: Guidance and Counseling Services**

To provide a successful school experience, a number of services are available to assist parents and students:

- Individual and group counseling
- Registration of new students
- Course and major selection and scheduling
- Credit checks and calculation of grade point average
- Scholarship assistance, financial aid information, and college admission assistance
- Testing information and procedures



### **Career Center**

A Career and Career Specialist is available at this high school to assist students in applying to colleges and universities. Students will also visit the Career Center to obtain information about local and state scholarships.

### **Testing Services**

**Armed Services Vocational Aptitude Battery (ASVAB):** The ASVAB is a test offered by the U.S. Army at no cost to students. It measures aptitude in five separate career field areas and provides an indication of general academic aptitude as well. The ASVAB is used for military entrance as well as career exploration.

**CELLA** – The Comprehensive English Language Learning Assessment (CELLA) measures the growth of students classified as English Language Learners (ELLs), in mastering the skills in English, they will need to succeed in school. This exam is given once a year to determine growth.

**FCAT:** The Florida Comprehensive Assessment Test is administered to all students in grades nine and ten. Successful performance on the tenth grade Reading Test is required for graduation. If students do not receive a passing score, Retakes will be offered to 11<sup>th</sup> and 12<sup>th</sup> graders. The FCAT Writes is administered to all students in the tenth grade. The Class of 2013 is required to have a passing score on the FCAT Math for graduation purposes.

**Florida EOC Assessment:** The Florida End-of-Course Assessments are computer-based tests designed to measure student achievement of the Next Generation Sunshine State Standards for specific middle- and high-school level courses, as outlined in their course description. Students entering 9<sup>th</sup> grade in 2011 - 2012 will be required to pass the Algebra 1 EOC to meet graduation requirements. Students entering 9<sup>th</sup> grade in 2012-2013 will be required to pass Algebra I, Biology and Geometry EOC's to meet graduation requirements.

The Algebra 1 EOC Assessment was administered for the first time in May 2011; the Biology 1 and Geometry EOC Assessments will be administered for the first time in May 2012; the U.S. History EOC Assessment will be administered for the first time in 2013.

It is recommended that students planning to attend college take one or more of the tests identified below; most institutions of higher learning require certain scores on one or more of these tests before a student is accepted. See your Guidance Counselor for details.

**The American College Testing (ACT) and the Scholastic Aptitude Test (SAT)** - provide information that is used as a partial indicator of how well students will perform in college. More information on these tests may be obtained from the Guidance Office or online at [www.collegeboard.com](http://www.collegeboard.com) for the SAT or [www.actstudent.org](http://www.actstudent.org) for the ACT.

### **The PERT Exam**

The purpose of Florida's Postsecondary Education Readiness Test (P.E.R.T.) is to adequately assess your academic skills in mathematics, reading and writing through the delivery of three tests, one for each of these areas. The results of these tests are used to determine your placement into appropriate courses. You cannot pass or fail the P.E.R.T. – it is only used to determine which courses are best for you. The P.E.R.T. is administered each spring for all 11<sup>th</sup> grade students. Interested 10<sup>th</sup> graders may also take the P.E.R.T., wishing to enroll in Valencia College and/or Dual Enrollment classes.

**Preliminary Scholastic Aptitude Test (PSAT):** The PSAT is required for all 9<sup>th</sup> and 10<sup>th</sup> graders. It is designed to inform students of their skills and potential on college entrance tests. Juniors may take the PSAT if interested in qualifying for National Merit Scholars.

### **Alternative Programs for Students**

There are a variety of alternative programs available for high school students who need a non-traditional learning environment: Challenger Learning Center, COPE, GED Exit Option Program, Mavericks High School, and Zenith Career Center. If you feel your student might benefit from one of these, contact the Guidance Department for more information.



## Curriculum Options

**Advanced Placement Program:** Advanced Placement is a program of college-level courses and examinations for secondary school students. Most colleges give credit and advanced placement to students who pass AP exams. Participation in the AP Program creates a favorable impression on college admission. Advance placement credit is awarded to students who meet score requirements on the Advance Placement Examination. More information about the AP Program is available at [www.collegeboard.com](http://www.collegeboard.com).

**Advancement Via Individual Determination (AVID):** AVID is a structured college preparatory program that works directly with first-generation college students. The mission of AVID is to ensure that students in the program are provided with support and Guidance needed to achieve academic success. Through successful completion of this program, students will complete a rigorous college preparatory path that is designed to lead them to enrollment in a four-year college

**College Course Credit:** Any passing grades received in courses from a college may be accepted towards requirements for graduation from Osceola County. Three college semester credits will be considered equivalent to one-half high school credit, unless otherwise specified. Credit for correspondence courses from a college are acceptable if the course code numbers correspond to acceptable high school course code numbers. It is the student's responsibility to provide verification of successful completion of such courses.

**Dual Enrollment:** Dual Enrollment refers to the opportunity for qualified high school students to enroll in Valencia Community College courses while concurrently enrolled in high school. Students receive **both** high school and college credit for these courses. (Valencia exempts dual enrollment students from application, matriculation, and laboratory fees.) Recommended students must have a cumulative grade point average of 3.0 on a 4.0 unweighted scale and have passing scores on the PERT (see Valencia's web site for qualifying scores) Florida state schools give credit for Dual Enrollment courses; Out-of-state colleges may give credit for Dual Enrollment courses. Contact your college of choice to verify its acceptance of Dual Enrollment credit. Contact your Guidance Counselor for additional information.

**Exceptional Student Education (ESE):** Osceola County Schools provide a variety of programs and courses designed to meet the needs of exceptional students. Harmony High School offers an excellent, varied program. For more details, contact your Guidance Counselor and/or the school's Resource Compliance Specialist.

**Florida Virtual School:** With support from the Florida Department of Education, Florida Virtual School was established in 1997 to create and make available a quality on-line high school curriculum, including Advanced Placement courses. Florida Virtual School may be a great resource for students with limited access to AP offerings in a traditional school. For more information visit: [www.flvs.net](http://www.flvs.net).

**Impact/Plato Lab:** This is on-site at Harmony High School. It gives students who are behind in credits and/or have a low Grade Point Average (GPA) an opportunity to catch up and graduate. Students will be selected for placement and must adhere to LAB policy in order to participate.

**Career & Technical Education:** CTE is for students interested in training beyond high school. CTE courses may lead to a two-year degree or technical certificate. If desired, CTE courses may be used for continuation into a four-year state university.

### Benefits to students include:

1. Earn college or technical center credit while in high school
2. Better academic preparation for employment and high education
3. Provides opportunities for work-based activities such as apprenticeships and internships.

### How does a student participate in CTE?

1. Select a career and technical program of study.
2. Complete a Tech Prep Program plan.
3. Complete the appropriate communication, math and science courses.
4. Maintain a "C" or better in the technical courses.

The curriculum for CTE does not replace the academic requirements for graduation. To complete a technical program, you must plan to take all the required courses in that program. **For more information about the specific courses and programs offered and how to qualify for the Gold Seal Scholarship Program (Bright Futures), see your Guidance Counselor and/or the College and Career Specialist.**



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

**ENGLISH** – 4 Credits Required

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

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

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

**PHYSICAL FITNESS** – 1 Credit

1. \_\_\_\_ HOPE

**ELECTIVES** – 8 Credits

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 (0.5)

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

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

**FINE ARTS** – 1 Credit

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

5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_

Two years of a consecutive Foreign Language are recommended for College/University and Bright Futures eligibility

Students will also need to pass required state tests for graduation. Students entering 9<sup>th</sup> grade during the 2012-2013 school year will be required to pass Algebra 2 and pass .5 credit on Florida Virtual.



## 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).

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








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


















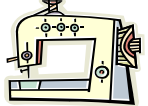




**Key:** Columns are checked to show if the Career Pathway (CTE) program:

- 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>TV Production:</b> (only for those who already began TV Production in previous years) Television Production 3 Television Production 4  <b>Digital Video Production:</b> Digital Video Production 1 Digital Video Production 2 Digital Video Production 3 Digital Video Production 4 Digital Video Production 5	✓	✓	✓	✓
<b>Communication and Multi-media Technology: Digital Design</b> 	<b>Digital Design:</b> (only for those who already began Digital Design in previous years) Computing for College & Careers Digital Design 3	✓	✓	✓	✓
<b>Communication and Multi-media Technology: New Media</b> 	<b>New Media Technology:</b> 1) Computing for College & Careers 2) New Media and Digital Imaging Fundamentals 3) Digital Video and Sound Fundamentals 4) Web Design 1	✓	✓	✓	✓



<p><b>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>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>Engineering Technology / Project Lead the Way</b></p> 	<p>Introduction to Engineering Design Principles of Engineering Digital Electronics <i>One of following specialties:</i> Computer Integrated Manufacturing Civil Engineering &amp; Architecture Aerospace Engineering Bio-Technical Engineering Engineering Design &amp; Development</p>				
<p><b>Fashion Design Services</b></p> 	<p>Design Services Core Principles of Fashion Design Services Pattern Design Techniques Fashion Design Specialist</p>				



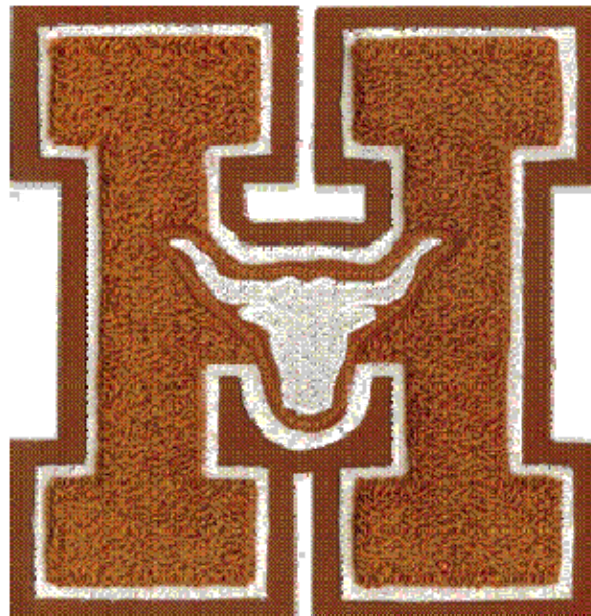
## **AVID** **(Advancement Via Individual Determination)**



AVID's mission is to close the achievement gap by preparing all students for college readiness and success in a global society.

AVID is an elective program that is by placement only. It 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
- Coping skills
- Problem-solving skills
- Motivational strategies
- College awareness and potential
- Assisting with exploration and application processes





**Section 4: State University and Community College Information**

**Regular Admission Criteria**

Admission into Florida’s universities is limited by space; therefore, high school students should exceed the minimum requirements to improve the chance of acceptance into a university. The minimum state-level admissions policies for undergraduate students are based on (1) high school graduation, (2) grade point average in academic core courses, (3) admissions test scores, (4) course requirements. Some universities have higher admission standards.

**Traditional**

A student must meet the criteria listed below at a minimum; some universities may require more.

High school graduation

- Grade point average in high school academic core courses. Most universities give a higher weighted point value for Honors, Advanced Placement, International Baccalaureate, Dual Enrollment, and other advanced courses; check with the university of your choice about its point values.
- Admissions test scores: SAT – Critical Reading, Math, and Writing and/or ACT – Composite Score and Writing
- High school course distribution requirements. Students must complete at least 16 units of high school work in the five core areas listed below, plus 3 additional electives as explained in the list of approved college prep courses. See your Guidance Counselor for further explanation or go to [www.facts.org](http://www.facts.org).

English	4 units
Mathematics	4 units
Natural Science	3 units
Social Science	3 units
Foreign Language	2 units
Electives	3 units
<b>Total</b>	<b>19 units</b>

**Talented Twenty**

Graduates from Florida public high schools who rank in the top 20% of their class, who have completed the required 19 units of core courses, and submitted an SAT or ACT score will be admitted to one of the state universities. A student may not always be accepted at the University of his/her first choice.

**\*Students with Disabilities – contact each University Admissions office for specific details.**

**Community College**

The community colleges of Florida prepare their students for transfer to a four-year university or entry into jobs requiring special skills. Students may earn an Associate in Arts (A.A.) or an Associate in Science (A.S.) by completing a two-year program of study. Check with your Guidance Counselor for more details about community colleges in Florida.

Admission to a Florida Community College requires a high school diploma, a GED, Certificate of Completion with admitting CPT scores (P.E.R.T. not recommended for Certificate of Completion entrance), or previously demonstrated competency in college-credit post-secondary course work. It is highly recommended that high school students take the same college preparatory courses designated for the state universities. Not doing so may require a student to take remedial courses at the community college. All students entering must take a placement test. Students who do not pass the placement test are assigned to remedial, non-degree credit instruction. Once a student passes the course and an institutionally developed test, he/she can enroll in a degree program.

Community college students intending to transfer to a public university must satisfy that university’s foreign-language admissions requirements. For most universities, it is required to take a minimum of two years of high school instruction in the same language with a “C” or better grade. Check with your four-year university about its foreign-language admissions (or graduation) policy.

**Private or Out-of-State College Admission**

These schools require graduation from an accredited high school and specific tests such as ACT or SAT. Contact a specific school for more information.



**Florida’s Bright Futures Scholarship Program  
Based on 2011-2012 curriculum**

There are *three* types of scholarships included within the Bright Futures Scholarship Program. The following is a list of requirements. Each year requirements are **subject to change**. For the latest information you can call 1-888-827-2004 or visit the Department of Education (DOE) home page at [www.floridastudentfinancialaid.org](http://www.floridastudentfinancialaid.org) .

<b>Florida Academic Scholars Award (FAS)</b>	<b>Florida Medallion Scholars Award (FMS)</b>
<p align="center">4 year university = \$125/credit hour 2 year college = \$77/credit hour</p> <p>16 credits in college preparatory courses in the following areas:</p> <ul style="list-style-type: none"> <li>4 English (3 with substantial writing)</li> <li>4 Mathematics (Algebra I and above)</li> <li>3 Natural Science (2 with substantial labs)</li> <li>3 Social Science</li> <li>2 Foreign Language ( in the same language)</li> </ul> <p>Up to 2 additional credits from courses in the academic areas listed above and/or AP, IB, or AICE fine arts courses to raise the GPA.</p> <p>A 3.5 weighted GPA in the above courses, 100 hours of community service, and a minimum score of 1270 on the SAT or 28 on the ACT to be a <b>Florida Academic Scholar (FAS)</b></p>	<p align="center">4 year university = \$94/credit hour 2 year university = \$58/ credit hour</p> <p>16 credits in college preparatory courses in the following areas:</p> <ul style="list-style-type: none"> <li>4 English (3 with substantial writing)</li> <li>4 Mathematics (Algebra I and above)</li> <li>3 Natural Science (2 with substantial labs)</li> <li>3 Social Science</li> <li>2 Foreign Language (in the same language)</li> </ul> <p>Up to 3 additional credits from courses in the academic areas listed above and/or AP, IB, AICE or fine arts courses to raise the GPA.</p> <p>A 3.0 weighted GPA in the above courses, 75 hours of community service, and a minimum score of 980 on the SAT or 21 on the ACT to be a <b>Florida Medallion Scholar (FMS)</b>.</p>

<b>Florida Gold Seal Vocational Scholars Award (GSV)</b>
<p align="center">4 year university = \$94/credit hour 2 year university = \$58/ credit hour</p> <p>16 credits in college preparatory courses in the following areas:</p> <ul style="list-style-type: none"> <li>4 English</li> <li>4 Mathematics (including Algebra I)</li> <li>3 Natural Science (2 with substantial labs)</li> <li>3 Social Science (World History, U.S. History, American Government, and Economics)</li> <li>1 Practical OR Performing Art or ½ credit in each</li> <li>1 Physical Education (to include integration of Health)</li> </ul> <p>A 3.0 weighted GPA in above courses (4-year diploma), 30 hours community service.</p> <p>3 Career/Technical job-preparatory or technology education program credits in one career/technical program with an unweighted 3.5 GPA in those courses</p> <p>A minimum score listed below on each subsection of either the SAT or ACT (subsections of different tests types may not be combined)</p> <p>SAT: Critical Reading 440/ Math 440 ACT: English 17/Reading 18/ Math 19 PERT: minimum score to be announced</p>



### **Section #5 Course Descriptions**

The following pages list the courses offered at Harmony High School. Availability of facilities, staff certification, and the number of student requests for a class determine the course offerings, especially for the elective courses. Each course lists the course title and number, a brief description of the course, grade levels required, and any prerequisite needed to take the course.

#### **ARMY JR. ROTC** A fee may be assessed to cover the costs of consumable materials.

JROTC introduces cadets to Service Learning and Financial Planning. JROTC gives the cadet the opportunity to earn six college credits offered by Colorado University.

#### **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*

#### **ART EDUCATION** A fee may be assessed for these classes to help cover the cost of consumable materials.

#### **01043200 -DRAWING AND PAINTING I**

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

Grades 9-12

*Prerequisite: None*

#### **010433000 - DRAWING AND PAINTING II**

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 and painting media, processes, and techniques.

Grades 10-12

*Prerequisite: Successful completion of Drawing and Painting I*



**01044000 -DRAWING AND PAINTING III**

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 and painting media, processes, and techniques.

Grades 10-12

*Prerequisite: Successful completion of Drawing and Painting II*

**01013300 -3-D ART/SCULPTURE**

The purpose of this course is to give students a basic understanding of three-dimensional design and sculpture.

Grades 10-12

*Prerequisite: Successful completion of Drawing and Painting I*

**01113100 -SCULPTURE I**

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 11-12

*Prerequisite: Successful completion of 3-D Art/Sculpture*

**01113200 - SCULPTURE II**

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 I*

**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 photo-graphic processing.

Grades 10-12

*Prerequisite: Teacher approval*

**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 11-12

*Prerequisite: Creative Photography I & Teacher approval*

**1007330 - Debate I**

The purpose of this course is to enable students to develop fundamental skills and techniques for use in debate and forensic activities. The content should include, but not be limited to, the following: communication skills, logic and critical-thinking skills, techniques of public speaking, research skills, parliamentary procedure, argumentation and debate skills, analysis of debates, timing and judging techniques. Will meet graduation requirement for Performing Fine Arts

Grades 10-12

*Prerequisite: Teacher approval*

**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: Drawing and Painting I*

**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: Drawing and Painting I*

**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 metal work.

Grades 10-12

*Prerequisite: Drawing and Painting I*

**DRAMA** A fee may be assessed to cover the costs of consumable materials**0400410 – STAGECRAFT I**

The purpose of this course is to enable students to develop fundamental skills in stagecraft and apply them through practical experiences. The content will include theatre terminology, elements of technical theatre, trends in technical design relationship between script and directorial concepts, properties, costumes, and make-up, lighting and sound, artistic discipline, careers, and connections between stagecraft and other subject areas.

Grades 9-12

*Prerequisite: None*

**04003100 - DRAMA 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*

**04003200 - DRAMA 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 large research project is required during second semester.

Grades 10-12

*Prerequisite: Drama I*

**04003300 - DRAMA 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 large research project is required during the second semester.

Grades 11 - 12

*Prerequisite: Drama II*

**04003400 - DRAMA IV**

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 large research project is required during the second semester.

Grade 12

*Prerequisite: Drama III*

**0400450 - COMPREHENSIVE THEATER**

The purpose of this course is to enable students to develop and synthesize fundamental elements of theatre arts into final production using varied media, techniques, and processes. The content should include, but not be limited to, the following: acting and characterization, pantomime and improvisation, theatre terminology, historical, cultural, and societal influences analysis of dramatic literature, technical theatre and design, playwriting skills, publicity, and roles and careers.

*Prerequisite: Drama, I, II, & III, Teacher approval*

**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****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 12 ONLY

*Prerequisite: 3.5 GPA, no discipline and Coordinator approval, Alternative assignments will be given for unexcused absences.*

**0500500 - SAT/ACT PREP COURSE**

**(Personal, Career, and School Development Skills I)**

*This is a one semester course*

This course provides students with an opportunity to experience success in school and improve attitudes and behaviors toward learning, self, and school. It is also designed to help prepare students to take the SAT and ACT tests.

Grades 11, 12

*Prerequisites: "C" or better in English/Math classes*

**DUAL ENROLLMENT – See your counselor for Dual Enrollment opportunities. Dual Enrollment classes will be offered to qualifying students both on Harmony High School's campus and at Valencia College.**

**HEALTH SCIENCE/ATHLETIC TRAINING****15024901 – CARE AND PREVENTION OF ATHLETIC INJURIES**

This course is offered to provide an introduction to 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*

**08003202 - FIRST AID AND SAFETY**

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: HOPE, BIOLOGY I, Care & Prevention of Athletic Injuries, and First Aid and Safety*

**LANGUAGE ARTS****10093200 - CREATIVE WRITING I**

The purpose of this course is to develop writing and language skills needed for individual expression in literary forms. It includes instruction in how to develop and write a variety of literary works. Students will be creating writing portfolios.

This course **does not** count toward the graduation requirement in English.

Grades: 10-12

*Prerequisite: English I or English Honors I*

**10093300 - CREATIVE WRITING II**

The purpose of this course is to extend the development of writing and language skills needed for individual expression in the literary forms as introduced in Creative Writing I. The goal is for students to have work published. This course **does not** count toward the graduation requirement in English.

Grades: 11-12

*Prerequisite: Creative Writing I*

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

The yearbook course has been 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.

Grades 9-12

*Prerequisite: Successful completion of Language Arts (English) and application required*

**1006310N-1006330N - JOURNALISM I-IV: Newspaper**

A serious, hands-on class for students who are interested in writing, editing and publishing the school newspaper. This class covers writing style, layout and design, advertising, the history of Journalism, and ethics and legal issues. Students have editing and publishing responsibilities.

Grades 9-12

*Prerequisite: Successful completion of Language Arts (English) and application 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.

Grade 9

*Prerequisite: None*

**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.

Grade 9

*Prerequisite: "C" or better in 8<sup>th</sup>-grade Advanced (Honors) English*

**10208400 - CONTEMPORARY LITERATURE HONORS**

The purpose of this course is to enable students to develop knowledge of contemporary literature through integrated educational experiences in the language arts strands. Emphasis will be on works of major contemporary authors, representing various cultures, whose writings reflect the characteristics, problems, and themes of modern culture and society.

Grade 9

*Prerequisite: "B" or better in 8<sup>th</sup> grade English & FCAT Reading Scores*

**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.

Grade 10

*Prerequisite: English I or equivalent*

**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 informative, technical, and literary texts acquiring an extensive vocabulary through reading, discussion, listening, and systematic word study using process writing strategies, student inquiry, and self-monitoring techniques using speaking, listening, and viewing strategies in formal presentations and informal discussions understanding and responding to a variety of literary forms understanding and using language successfully to impact readers, writers, listeners, speakers, and viewers

Grade 10

*Prerequisite: Successful completion English I Honors or English I*

**10208500 - WORLD LITERATURE HONORS (Pre AP)**

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. Content will include using the reading process to construct meaning using technical, informative, and imaginative texts, using the research process and individual inquiry to locate, analyze, and evaluate information, and responding critically and aesthetically to world literature. A research paper is required.

This course will meet a graduation requirement for English. (A companion course to AP World History.)

Grade 10

*Prerequisite: Successful completion of Contemporary Lit Honors*

**10013700 - ENGLISH III**

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

Grade 11

*Prerequisite: Successful completion of English II or equivalent*

**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 informative, technical, and literary texts acquiring an extensive vocabulary through reading, discussion, listening, and systematic word study using process writing strategies, student inquiry, and self-monitoring techniques using speaking, listening, and viewing strategies in formal presentations and informal discussions understanding and responding to a variety of literary forms understanding and using language successfully to impact the reader.

Grade 11

*Prerequisite: Successful completion English II Honors or English II*

**10014000 - ENGLISH IV**

This course provides students with instruction in language skills through the study of British literature. Content includes vocabulary building, literary analysis, public speaking, and listening skills. All aspects of the writing process are applied in frequent writing assignments. A research paper/project will be required.

Grade 12

*Prerequisite: Successful completion of English III or take both courses concurrently*

**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.

Grade 12

*Prerequisite: Successful completion of English III or English III Honors*

**1001405 – ENGLISH 4: FLORIDA COLLEGE PREP**

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.

Grade 12

*Prerequisite: P.E.R.T. score 104-150*

**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 11-12

*Prerequisite: Successful completion of World Lit Honors, English Honors III or English IV*

**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. Students consider literary works in their historical context and in relation to their own lives and experiences. 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.

Grades 11-12

*Prerequisite: Successful completion of World Lit Honors, English Honors III or AP Language Composition*



**10023000 - 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 meet graduation requirements for English.

Grade 9

*Prerequisite: Placement*

**10023100 - 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 meet graduation requirements for English.

Grade 10

*Prerequisite: Placement*

**10023200 - ENGLISH III THROUGH ESOL**

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

Grade 11

*Prerequisite: Placement*

**10025200 - 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 meet graduation requirements for English.

Grade 12

*Prerequisite: Placement*

**10023800 - DEVELOPMENTAL LANGUAGE THROUGH ESOL**

The purpose of this course is to enable students who are not fluent in English to develop proficient listening, speaking, reading, and writing skills in English. Emphasis on improving reading and writing skills, required for all level 1 ESOL students. **This class is by placement only.**

Grades 9-12

*Prerequisite: Placement*

**For Your Information Only**

**10004100 - INTENSIVE READING: Remedial Language Arts Course**

As required by the Florida Department of Education, Intensive Language Arts/Reading courses will be included in course offerings. These courses are intended for students who do not meet district levels of performance or the specific levels of performance required on state-wide assessments (FCAT). Remedial offerings are below a Level 1 or Level 2 course, require an Academic Improvement Plan for each student enrolled and will earn **elective** credit; if a student is in a double-block remedial class, the student will earn one full credit per semester. Such courses **must be taken in addition to the language arts courses. Placement is by administrative approval.**



**LEADERSHIP SKILLS DEVELOPMENT****24003000 - LEADERSHIP SKILLS DEVELOPMENT**

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*

**24003100 - LEADERSHIP TECHNIQUES**

This course will provide an in-depth study of the leadership techniques of decision making, problem solving, meeting skills, communication, group conflict reduction, time and stress management, evaluation, team building, group dynamics, motivational strategy, and the role of leadership in a democratic society.

Grades 10-12

*Prerequisite: Successful completion of Leadership Skills, Application & Teacher Approval*

**MATHEMATICS**

**Note: All High School Mathematics courses in Florida require the use of technology in order to meet the new state math standards. Math & Science teachers at HHS have been offered extensive training in the use of Texas Instruments' products, more specifically the TI-84 Plus and the TI-Nspire. If you are purchasing a graphing calculator for the first time and plan to use the same one throughout high school and into college, we recommend purchasing a TI-Nspire because it has the functions of the TI-84 Plus along with additional file storage features. The TI-Nspire Handheld is also allowed on the mathematics portion of the ACT, SAT, IB and AP exams.**

**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. **Beginning 2011-2012 all students entering 9<sup>th</sup> grade will be required to pass an End of Course (EOC) exam to receive Algebra I credit.**

Grades 9-12

*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. **Beginning 2011-2012 all students entering 9<sup>th</sup> grade will be required to pass an End of Course (EOC) exam to receive Algebra I Honors credit.**

Grades 9-12

*Prerequisite: Successful completion of Advanced 8th Math*

**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 10-12

*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 10-12

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

**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. **Beginning 2012-2013 all students entering 9<sup>th</sup> grade will be required to pass an End of Course (EOC) exam to receive Geometry credit.**

Grades 9-12

*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. **Beginning 2012-2013 all students entering 9<sup>th</sup> grade will be required to pass an End of Course (EOC) exam to receive Geometry Honors credit.**

Grades 9-12

*Prerequisite: Successful completion of Algebra I Honors or Algebra I*

**12083000 - 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. This does not meet requirements for state universities..

Grades 11-12

*Prerequisite: Successful completion of Algebra I and Geometry*

**12005000 – ADVANCED ALGEBRA WITH FINANCIAL APPLICATIONS**

This course provides an in-depth study of financial concepts. Content will include: understanding how to compute simple and compound interest, net present and net future value, loans and financing, individual financial planning and investments, currency conversion, and levels of economic performance. There will be a reading and research component for this class.

**Student needs graphing calculator.**

Grade 12

*Prerequisite: Successful completion of Algebra I, Geometry, and Algebra 2 or Liberal Arts Math*

**12023400 - PRECALCULUS**

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: 11, 12

*Prerequisite: Successful completion of Algebra II or Algebra II Honors*

**12005000 - MATH FOR COLLEGE READINESS**

The purpose of this course is to strengthen the skill level of high school seniors who have completed Algebra I, II, and Geometry and who wish to pursue credit generating mathematics courses at the college level.

Grades: 12

*Prerequisite: Successful completion of Algebra II or Algebra II Honors, approved score on PERT Math portion, and application to VC*

**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 Advance Placement exam administered in May.

Grades 11-12

*Prerequisite: Successful completion of Pre-Calculus*

**For Your Information Only****12004000 - INTENSIVE MATH: Remedial Math Course**

As required by the Florida Department of Education, Intensive Math will be included in course offerings. These courses are intended for students who do not meet district levels of performance or the specific levels of performance on state-wide assessments (FCAT). These courses will earn **elective** credit for the course(s); if a student is in a double block remedial class, the student will earn one full credit per semester. **This course must be taken in addition to the regular math course(s). Placement is by administrative approval. Student will use the same calculator needed for their math class.**



**MUSIC** A fee may be assessed to cover the costs of consumable materials.

### **13023000 - BAND I**

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 - BAND II**

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 determine the grade in this course.**

Grades 9-12

*Prerequisite: Successful completion of Band I*

### **13023200 - BAND III**

This course further develops the musical skills in band instrumental performance. Content includes development of the understanding of balance, blend, intonation, response to conducting, sight reading of more advanced literature, and evaluation of music as a listener and as a participant. **The student's performance at practices, parades, special performances, football games, and competitions may be used in determining the grade in this course.**

Grades 10-12

*Prerequisite: Successful completion of Band II*

### **13023300 - BAND IV**

This course refines musicianship and skill in band instrumental performance. Content includes the analysis of form, content, and structure of music, appropriate performance techniques at more advanced levels, and sight reading more advanced literature. **The student's performance at practices, parades, special performances, football games, and competitions may be used in determining the student's grade.**

Grade 11-12

*Prerequisite: Successful completion of Band III*

### **1302300P – 1302330P - BAND I-IV (PERCUSSION/DRUMLINE)**

The purpose of this course is to enable students to develop basic technical skills on percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance, and critical listening. Students will focus on the following instruments in this course: drum line percussion, electronic drums, electronic keyboards, trash cans, Latin percussion, marimba, xylophone, vibraphone, timpani, and world percussion. **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*

### **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 - CHORUS II**

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 Chorus I*

**13033200 - CHORUS III**

The purpose of this course is to enable students to develop proficient 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 10-12

*Prerequisite: Successful completion of Chorus II*

**13033300 - CHORUS IV**

The purpose of this course is to enable students to develop consistently proficient 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 12

*Prerequisite: Successful completion of Chorus III*

**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*

**13013300 - GUITAR II**

The purpose of this course is to enable students to develop intermediate-level skills in guitar performance, including interpretation of notation and performance in varied styles. The content includes: technical performance skills, notation and tablature, chord structure, performance styles, improvisation, composition, and arranging, performance analysis instrument care and maintenance, role and influence of guitar music and musicians, and connections between music and other subject areas

By Placement ONLY

*Prerequisite: Successful completion of Guitar I and teacher approval*

**13013600 - KEYBOARD I**

This course provides students with introductory experiences on the keyboard; course content includes the development of music fundamentals, keyboard performance techniques, and interpretation of musical notation.

Grades 9-12

*Prerequisite: None*

**13013700 - KEYBOARD II**

This course provides instruction in varied performance techniques on the keyboard. The content includes music fundamentals, performance techniques, and interpretation of musical notation.

Grades 10-12

*Prerequisite: Successful completion of Keyboard I and teacher approval*

**13034400 - VOCAL ENSEMBLE I**

This course provides accomplished vocalists with an opportunity to develop a repertoire that can be performed at school and in the community. **Student performance at practices, special programs, and competitions may be used in determining student's grade.**

Grades 9-12

*Prerequisite: None*

**13034500 - VOCAL ENSEMBLE II**

This course applies varied performance techniques in vocal ensembles through the study of widely varied, appropriate choral literature. Content includes application of appropriate vocal balance, blend, and stylistic interpretation. **Student performance at practices, special programs, and competitions may be used in determining student's grade.**

Grades 9-12

*Prerequisite: Successful completion of Vocal Ensemble I*

**130346000 - VOCAL ENSEMBLE III**

The purpose of this course is to enable students to develop proficient performance techniques in a small ensemble setting through the study of varied high school choral literature. Emphasis will be placed on vocal independence, expressiveness, and stylistic authenticity. The content will include: vocal production, ensemble performance techniques, sight reading and ear training, elements and characteristics of music, improvisation and arranging, role and influence of choral music and musicians. **Student performance at practices, special programs, and competitions may be used in determining student's grade.**

Grades 11-12

*Prerequisite: Successful completion of Vocal Ensemble II*

**130347000 - VOCAL ENSEMBLE IV**

The purpose of this course is to enable students to develop advanced performance techniques in a small ensemble setting through the study of varied high school choral literature. Emphasis will be placed on vocal independence, expressiveness, and stylistic authenticity. The content will include the following: vocal production, ensemble performance techniques, music literacy, sight reading and ear training, elements and characteristics of music, improvisation and arranging and performance evaluation. **Student performance at practices, special programs, and competitions may be used in determining student's grade.**

Grade 12

*Prerequisite: Successful completion of Vocal Ensemble III*

**1304300 - ELECTRONIC MUSIC I**

The purpose of this course is to teach the care and use of electronic equipment and synthesizers commonly used in the production of today's

popular music, along with the necessary theoretical, technical, and physical properties of sound and music.

The content includes experimentation with various types of electronic musical instruments and tape recorders, listening to live and recorded music, information about varied musical styles, and career opportunities in music.

**Will graduation requirement for Performing Fine Arts.**

Grades 9-12

*Prerequisite: None*

**1301400 – SOUND ENGINEERING AND SOUND REINFORCEMENT I**

The purpose of this course is to enable students to develop musical skills and an understanding of the elements of a recording studio, and apply the concepts and language in a musical setting, roles and influence of music and musicians in history, culture, society, and everyday exploration of basic acoustical principles -role and influence of sound and recording in history, culture, society, and set-up and operation of equipment in a recording studio.

**Will meet graduation requirement for Performing Fine Arts**

Grades 9-12

*Prerequisite: None*

**PHYSICAL EDUCATION** All physical education classes require that students dress for exercise.

**30260100 - HEALTH OPPORTUNITIES THROUGH PHYSICAL EDUCATION (HOPE)**

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. **Graduation requirement.**

Grades 9-11

*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*



**15013100 - FITNESS LIFE-STYLE DESIGN**

The purpose of this course is to provide students with opportunities to extend their knowledge of physical fitness concepts, acquire knowledge of designing, implementing, and evaluating a personal fitness program, and develop an individual optimal level of physical fitness.

Grades 10-12

*Prerequisite: None*

**15013900 - COMPREHENSIVE FITNESS**

The purpose of this course is to acquire knowledge and concepts of all aspects of fitness and increase the overall fitness level.

Grades 10-12

*Prerequisite: None*

**15013400 - WEIGHT TRAINING I (Previously Beginning Weight Training)**

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.

Grades 9-12

*Prerequisite: None*

**15013500 - WEIGHT TRAINING II (Previously Intermediate Weight Training)**

This course is designed to allow students to extend their knowledge of the complete mechanics of body strength and conditioning through weight lifting, running, and stretching. 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 9-12

*Prerequisite: Weight Training I*

**15013600 - WEIGHT TRAINING III (Previously Advanced Weight Training)**

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 10-12

*Prerequisite: Weight Training I and II*

**15014100 - POWER WEIGHT TRAINING I (Previously Beginning Power Weight)**

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 11-12

*Prerequisite: Weight Training III and Comprehensive Fitness*

**15033100 - BASKETBALL**

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 10-12

*Prerequisite: None*

**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 10-12

*Prerequisite: None*

**15055000/15055100 VOLLEYBALL I/II**

The purpose of this course is to enable students to acquire basic knowledge and skills in volleyball and to maintain or improve health-related fitness. The includes the following: safety practices rules and terminology, history, biomechanical and physiological principles, techniques and strategies, sportsmanship, fitness activities, fitness assessment, officiating, organization and administration of volleyball activities, consumer issues and benefits of participation.

Grades 10 – 12

Prerequisite: None

**15003300 – TRACK AND FIELD**

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 10 – 12

Prerequisite: None

**PUBLIC SERVICE****89090100 - TEACHER ASSISTING I**

This course is designed to develop competencies related to the role, regulations and career path of teacher aides; the role of education; leadership activities; interpersonal and communication skills; and educational support tasks. Students are assigned to specific teachers. Students should have a sincere interest in education as a profession.

Grades 10-11

Prerequisite: 2.5 GPA and interested in Field of Education

**89090200 - TEACHER ASSISTING 2**

This course is designed to develop competencies in operation of audiovisual equipment, job-related skills, test administration and grading and visual-aids preparation. Students should have a sincere interest in education as a profession.

Grades 10-12

Prerequisite: *Teacher Assisting 1, 2.5 GPA, and interested in Field of Education*

**89090300 - TEACHER ASSISTING 3**

This course, a continuation of Teacher Assisting 1 and 2, offers students, who are considering teaching as a career, with additional responsibilities, including mentoring at elementary and middle schools and job shadowing in support areas. Students must commit to performing a minimum of 15 hours per semester in tutoring or mentoring activities.

Grades 11-12

Prerequisite: *Teacher Assisting 2 or concurrent enrollment in TA 2, 2.5 GPA, and interested in Field of Education*

**89090400 - TEACHER ASSISTING 4**

This is a job-preparatory career and technical program. The teacher assisting program is designed to support teaching activities for students in classroom settings. This class offers students, who are considering teaching as a career, with additional responsibilities, including mentoring at elementary and middle schools and job shadowing in support areas. Students must commit to performing a minimum of 15 hours per semester in tutoring or mentoring activities.

Grade 12

Prerequisite: *Teacher Assisting 3 or concurrent enrollment in TA 3, 2.5 GPA, and interested in Field of Education*

**RESEARCH AND CRITICAL THINKING****1700370 – CRITICAL THINKING AND STUDY SKILLS**

The purpose of this course is to enable students to develop learning strategies, critical-thinking skills, and problem-solving skills to enhance their performance in academic and nonacademic endeavors. The content includes learning strategies, strategies for acquiring, storing, and retrieving information, strategies for oral and written communication, time management and organizational skills, problem-solving skills and strategies and test-taking skills and strategies.

Grades 9

*Prerequisite: Placement*

**1700300 – RESEARCH I**

This course is to enable students to develop fundamental knowledge of the steps in the research process. The content includes the nature and purpose of research, research questions and hypotheses, review of literature and other resources, research methods and procedures, report formats, styles, and content directed investigations and critical analysis of research.

Grades 9-12

*Prerequisite: None*

**1700310 - RESEARCH II**

This course is to enable students to develop basic knowledge and skills in the research process with emphasis on determining and refining research questions. The content includes the research process research topics, research questions and hypotheses, definition, analysis, and evaluation of research questions, review of literature and other resources, formulation of hypotheses, report formats, styles, and content, directed investigations and critical analysis of research.

Grades 9-12

*Prerequisite: None*

**SCIENCE****20033100 - PHYSICAL SCIENCE**

The purpose of this course is to provide opportunities to study the concepts of matter, energy, and forces, and their applications through exploratory investigations and activities. Science projects are incorporated into the curriculum.

Grades 9-12

*Prerequisite: None*

**20033200 - PHYSICAL SCIENCE HONORS**

The purpose of this course is to provide opportunities to study the concepts of matter, energy, and forces, and their applications through exploratory investigations and activities.

Grade 9

*Prerequisite: None*

**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. **Beginning 2012-2013 all students entering 9<sup>th</sup> grade will be required to pass an End of Course (EOC) exam to receive Biology 1 credit.**

Grade 10

*Prerequisite: Successful completion of Physical Science*

**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. **Beginning 2012-2013 all students entering 9<sup>th</sup> grade will be required to pass an End of Course (EOC) exam to receive Biology I Honors credit.**

Grades 9-10

*Prerequisite: Successful completion of Physical Science*

**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 10-12

*Prerequisite: Successful completion of Biology*

**2002510 - MARINE SCIENCE HONORS**

This course is designed to give students an overview of ocean science. It is a comprehensive science which incorporates oceanography and an introduction to marine biology. Course content includes biological, chemical, and physical aspects of ocean environment, marine plant and animal life, marine ecology, and human interaction with the marine community.

Grade 11-12

*Prerequisite: Successful completion of Biology I*

**20013400 - ENVIROMENTAL SCIENCE**

The purpose of this course is to enable students to develop knowledge of the ways that humans interact with the natural environment. The content includes the following: implementation of scientific habits of mind -application of scientific knowledge, methodology, and historical context to solve problems use of laboratory technologies, terminology, earth dynamics, influence of technology on environmental quality, environmental quality issues, use and conservation practices, biodiversity, environmental planning and waste management environmental monitoring and policy, sustainable use of public land, characteristics of populations, biotic and a biotic environmental factors, energy production technologies thermodynamics

Grade 11

*Prerequisite: Successful completion of Biology I*

**20013800 - ADVANCED PLACEMENT ENVIROMENTAL SCIENCE**

The purpose of this course is to study the interaction of man with the environment. The content includes scientific analysis 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 Advance Placement exam administered in May.

Grades 10-12

*Prerequisite: Successful completion of Physical Science, Biology I*

**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 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 slats, nuclear chemistry, gas laws, and organic chemistry. There is an emphasis on tests in this class, and a research project is required.

Grades 10-12

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

**20033700/20033600 - ADVANCED PLACEMENT CHEMISTRY/CHEMISTRY II**

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 Advance Placement exam administered in May. Double block class - 2.0 credits

Grades 11-12

*Prerequisite: Successful completion of Chemistry I or Chemistry I Honors*

**20033800 - PHYSICS I**

This course is designed for upper-level students and includes an in-depth coverage of systems of measurement, force, graphical analysis, dynamics, circular and rotary motion, projectile motion, waves, work and power, energy, heat, sound, light, nuclear energy, electricity, and magnetism.

Grades 11-12

*Prerequisite: Successful completion of Algebra II, Geometry Honors and Chemistry I*

**20034200/20034100 - ADVANCED PLACEMENT PHYSICS B/PHYSICS II**

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

Grades 11-12

*Prerequisite: Successful completion of Physics I Honors or Chemistry I*

**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 hypothesis from available data. 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

Grades 11-12

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

**SOCIAL STUDIES****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 have affected humanity.

Grade 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, development of nationalism as a global phenomenon, influence of significant historical figures and events, contemporary world affairs.

Grade 10

*Prerequisite: None*

**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. Summer reading prior to the beginning of school is required. College credit can be earned by successful performance (3 or above) on the Advance Placement exam administered in May. This is a companion course to World Literature Honors.

Grades 10

*Prerequisite: Successful completion of English I or Honors English I*

**21003100 - AMERICAN 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 11

*Prerequisite: None*

**21003200 AMERICAN 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.

Grade 11

*Prerequisite: None*

**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 Advance Placement exam administered in May.

Grades 11

*Prerequisite: Successful completion of World History*

**21023100 - ECONOMICS**

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. This is a one semester course only open to students who have completed American Government.

Grade 12

*Prerequisite: Grade 12*

**21023200 – ECONOMICS HONORS**

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. This is a one semester course only open to students who have completed American Government.

Grade 12

*Prerequisite: Grade 12*

**21063100 - AMERICAN GOVERNMENT**

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. This is one semester and only open to students who have completed Economics.

Grade 12

*Prerequisite: Grade 12*

**21063100 - AMERICAN GOVERNMENT HONORS**

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. This is one semester and only open to students who have completed Economics.

Grade 12

*Prerequisite: Grade 12*

**21064200 – ADVANCED PLACEMENT U.S. GOVERNMENT**

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.

Grade 12

*Prerequisite: Successful completion of A.P. U.S. History*

**21023700 – ADVANCED PLACEMENT MACROECONOMICS**

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.

Grade 12

*Prerequisite: Successful completion of A.P. U.S. History*

**21073001 – PSYCHOLOGY I / 21073102 - PSYCHOLOGY II**

Psychology provides students with the opportunity to acquire an understanding of human behavior, behavioral interaction, and the progressive development of individuals. Content includes the theories and methods of study employed by psychologists, human growth and development, self-concept development, adjustment, motivation, and intelligence.

Grades 9-12

*Prerequisite: None*

**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 Advance Placement exam administered in May.

Grades 10-12

*Prerequisite: None*

**21034000 - ADVANCED PLACEMENT HUMAN GEOGRAPHY**

The purpose of this course is to enable students to develop higher levels 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 Advance Placement exam administered in May.

Grades 9-12

*Prerequisite: None*

**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**

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. 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 Advance 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*

**0705330 - ITALIAN III**

This course is designed to continue to develop in-depth skills of listening, speaking, reading and writing that were learned in Italian II. At this level, the students are introduced to reading of advanced 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 II*

**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. After completing this course, the student will be able to read and write Spanish on a basic level.

Grades 9-12

*Prerequisite: Successful completion of Spanish I*

**07083600 - SPANISH III**

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 more advanced structures 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*





## CTE COURSE DESCRIPTIONS

### **AGRISCIENCE TECHNOLOGY**

#### **810681 - AGRISCIENCE FOUNDATIONS 1**

**Grades 9-12 Course Credit:** 1.0

**Prerequisite:** None

**Industry Certification:** Production Agriculture

**MAJOR CONCEPTS/CONTENT:** 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.

#### **8106820 - AGRITECHNOLOGY 1**

**Grades 9-12 Course Credit:** 1.0

**Prerequisite:** Agriscience Foundations 1 or Vet I

**Industry Certification:** Production Agriculture

**MAJOR CONCEPTS/CONTENT:** 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.

#### **8106830 - AGRITECHNOLOGY 2**

**Grades 9-12 Course Credit:** 1.0

**Prerequisite:** Agritechnology 1

**Industry Certification:** Production Agriculture

**MAJOR CONCEPTS/CONTENT:** 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.

#### **VETERINARY ASSISTING 1**

**Course Number:** 81115100

**Grade 9-11 Course Credit:** 1

**Prerequisites:** None

**Industry Certification – Certified Veterinary Assistant (ANICT001)**

**MAJOR CONCEPTS/CONTENT:** 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 activities are integral parts of the course.

#### **VETERINARY ASSISTING 2**

**Course Number:** 81115400

**Grade 10-12 Course Credit:** 1

**Prerequisites:** Vet Assisting 1

**Industry Certification – Certified Veterinary Assistant (ANICT001)**

**MAJOR CONCEPTS/CONTENT:** Veterinary medicine with emphasis on human - animal bond; animal related laws; animal research; genetics and biotechnology; and enterprise management. Laboratory and FFA activities are integral parts of the course.

#### **VETERINARY ASSISTING 3**

**Course Number:** 81115500

**Grade 10-12 Course Credit:** 1

**Prerequisites:** Vet Asst 2

**Industry Certification – Certified Veterinary Assistant (ANICT001)**

**MAJOR CONCEPTS/CONTENT:** Emphasis of the course is nutrition - feeds for large and small animals. Recognition of malnutrition and remedies. Laboratory experiences are required. FFA and leadership are integral parts of the program.

**VETERINARY ASSISTING 4****Course Number:** 81115200**Grades** 11-12      **Course Credit:** 1**Prerequisites:** Vet Asst 3**Industry Certification – Certified Veterinary Assistant (ANICT001)****MAJOR CONCEPTS/CONTENT:** This course emphasizes environmental conditions and pest management. Small and large animals are included. Laboratory and FFA activities are integral parts of the course.**COMMUNICATION & MULTI-MEDIA TECHNOLOGY****82090200 - COMPUTING FOR COLLEGE AND CAREERS (BST1)****Grades** 9-12      **Course Credit** 1.0**Prerequisite** None**Industry Certification – Microsoft Office Suite****MAJOR CONCEPTS/CONTENT:** This course is designed to provide a basic overview of current business and information systems and trends and to introduce students to the basics and foundations required for today's business environments.

Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications, so that they may be used as communication tools for enhancing personal and work place proficiency in an information-based society.

This includes proficiency with computers using databases, spreadsheets, presentation applications, and the integration of these programs using software that meets industry standards.

**8207310 - INTRODUCTION TO IT****Grades** 9-12      **Course Credit** 1.0**Prerequisite** None**Industry Certification – Dreamweaver****MAJOR CONCEPTS/CONTENT:** This course is designed to give a basic overview of the application of information systems to accomplish job objectives and enhance workplace performance. Emphasis is placed on the use technology to enhance the effectiveness of communication skills, development of an awareness of management functions and

organizational structures as they relate to today's workplace and employer/employee roles. Students will be able to incorporate appropriate leadership and supervision techniques, customer service strategies, and standards of personal ethics to

accomplish job objectives and enhance workplace performance, apply mathematical operations and processes as well as financial planning strategies to commonly occurring situations in the workplace to accomplish job objectives and enhance

workplace performance.

**8207410 - NEW MEDIA AND DIGITAL IMAGING FUNDAMENTALS****Grades** 9-12      **Course Credit** 1.0**Prerequisite** None**MAJOR CONCEPTS/CONTENT:** This class is a combination of a basic introduction to Digital Design and Web Design.

Emphasis will be on the students learning Photoshop. Resources: Word, Power Point, Publisher, Adobe Photoshop, Adobe Indesign, Adobe Dreamweaver (not part of standards). Additional Equipment needed: digital cameras possibly, Non-

software specific textbooks will be used, based on availability.

**8207420 - DIGITAL VIDEO AND SOUND FUNDAMENTALS****Grades** 10 -12      **Course Credit** 1.0**Prerequisite** New Media and Digital Imaging Fundamentals**MAJOR CONCEPTS/CONTENT:** The purpose of this course is to gain a better understanding of presentation software.

Students will be able to create a multimedia presentation that incorporates shot and edited video, animation, music, narration and adheres to good design principles, use of transitions, and effective message conveyance. Demonstrate knowledge of the

roles and responsibilities of a multimedia production team (e.g. project manager, creative or design director, content experts, writers, graphic designers, animators, sound designers, videographer, interface designers/programmers, etc.).

Collaborate with team members to plan, edit, evaluate, and present a multimedia presentation.



**82095300 - DIGITAL DESIGN 3**

**Grades** 11-12      **Course Credit** 1.0

**Prerequisite** Digital Design 2

**Industry Certification** – Microsoft Office Suite and/or Adobe Creative Suite titles

**MAJOR CONCEPTS/CONTENT:** This course continues the development of industry-standard skills required for careers in the digital publishing industry. It includes the use of a variety of software and equipment to perform digital imaging activities.

**82071300 - WEB DESIGN 3**

**Grades** 11-12      **Course Credit** 1.0

**Prerequisite** Web Design 2

**Industry Certification**– Adobe Creative Suite titles

**MAJOR CONCEPTS/CONTENT:** This course is designed to provide advanced concepts in HTML, design, and internet tools.

**8208110 - GAME AND SIMULATION FOUNDATION**

**Grades** 9-12      **Course Credit** 1.0

**Prerequisite** None

**MAJOR CONCEPTS/CONTENT:** Studying different genres of games, history of games and simulation, where is gaming and simulation going, marketing strategies, design and build different games. Resources: Gamemaker - free game making program, various web sites, books, gaming systems

**8208120 - GAME AND SIMULATION DESIGN**

**Grades** 10-12      **Course Credit** 1.0

**Prerequisite** Game and Simulation Foundation

**MAJOR CONCEPTS/CONTENT:**

This course covers fundamental principles of designing a game or a simulation application, in particular Human Computer Interface (HCI) principles, rules and strategies of play, conditional branching, design and development constraints, 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 well-documented, structured game or simulation programs.

**8772410 - DIGITAL VIDEO PRODUCTIONS 1**

**Grade** 9-12      **Course Credit** 1.0

**Prerequisites** None

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, team work and the use of video editing software (iMovie). Most projects will be in the one- to five-minute range, consisting of ads, short stories, news stories, etc.

**8772420 - DIGITAL VIDEO PRODUCTIONS 2**

**Grade** 10-12      **Course Credit** 1.0

**Prerequisites** Digital Video Production 1

The purpose of this class is to build on the 1st 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.

**87721300 - TELEVISION PRODUCTION 3**

**Grade** 10-11      **Course Credit** 1.0

**Prerequisites** Television Production 2

**Industry Certification** – Final Cut Pro or Adobe Software Packages

**MAJOR CONCEPTS/CONTENT:** The purpose of this program is to prepare students for initial employment as television production operators, (SOC 27-4031) television broadcast technicians, (SOC 27-4012) camera operator, (SOC 27-4031) all other professional/para-professional technicians, video recording engineers, audio recording engineers.

**87721400 - TELEVISION PRODUCTION 4****Grade** 11-12      **Course Credit** 1.0**Prerequisites** Television Production 3**Industry Certification** – Final Cut Pro or Adobe Software Packages**MAJOR CONCEPTS/CONTENT:** The purpose of this program is to prepare students for initial employment as television production operators, (SOC 27-4031) television broadcast technicians, (SOC 27-4012) camera operator, (SOC 27-4031) all other professional/para-professional technicians, video recording engineers, audio recording engineers.**FAMILY AND CONSUMER SCIENCES****A fee may be assessed to help cover the cost of consumable materials.****FASHION DESIGN CORE****Course Number:** 8506405**Grades** 9-11      **Course Credit** 1.0**Prerequisites** None**Industry Certification** – NOCTI Clothing and Textiles Management and Production**Course Credit:** 1**MAJOR CONCEPTS/CONTENT:** This course is the core course of 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.**PRINCIPLES OF FASHION DESIGN SERVICES****Course Number:** 8506410**Grades** 10-12      **Course Credit** 1.0**Prerequisites:** Design Services Core**Industry Certification** – NOCTI Clothing and Textiles Management and Production**Course Credit:** 1**MAJOR CONCEPTS/CONTENT:** This course is the second course of the Fashion Design Services program. It is designed to further develop competencies in the area of Fashion Design Services. It 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.**PATTERN DESIGN TECHNIQUES****Course Number:** 8506420**Grades** 10-12      **Course Credit** 1.0**Prerequisites:** PFDS, PDT**Industry Certification** – NOCTI Clothing and Textiles Management and Production**Course Credit:** 1**MAJOR CONCEPTS/CONTENT:** This course is the third course 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.**FASHION DESIGN SPECIALIST****Course Number:** 8506430**Grades** 10-12      **Course Credit** 1.0**Prerequisites:** PFDS**Industry Certification** – NOCTI Clothing and Textiles Management and Production**Course Credit:** 1**MAJOR CONCEPTS/CONTENT:** This course is the fourth course 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.



## **ENGINEERING TECHNOLOGY**

### **INTRODUCTION TO ENGINEERING DESIGN**

**Course Number** 86005500

**Grades** 9                      **Course Credit** 1.0

**Prerequisites:** *Physical Science & Algebra I or currently taking*

**MAJOR CONCEPTS/CONTENT:** 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.

### **PRINCIPALS OF ENGINEERING**

**Course Number** 86005200

**Grades** 10 – 12                      **Course Credit** 1.0

**Prerequisite:** *Introduction to Engineering Design*

**MAJOR CONCEPTS/CONTENT:** 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.

### **DIGITAL ELECTRONICS**

**Course Number** 86005300

**Grades** 10 – 12                      **Course Credit** 1.0

**Prerequisite:** *IED, Principals of Engineering*

**MAJOR CONCEPTS/CONTENT:** 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.

### **ENGINEERING DESIGN & DEVELOPMENT**

**Course Number** 86006500

**Grades** 10 – 12                      **Course Credit** 1.0

**Prerequisite:** *IED, POE, and DE*

**MAJOR CONCEPTS/CONTENT:** This program provides students with an advanced understanding of the knowledge, human relations, and technological skills found today in technical professions.

