

New Dimensions H.S.



2021–2022 Curriculum Guide

New Dimensions High School

*"Celebrating Success,
Creating Pride"*

4900 Old Pleasant Hill Road
Kissimmee, FL 34759
(407) 870-9949
www.NewDimensionsHS.com

Mission Statement

"Learning is participatory, involving hope, curiosity, and commitment so that action becomes a legitimate result of learning."

Vision Statement

"To be an educational leader dedicated to excellence through commitment, collaboration, and community."

New Dimensions High School's Beliefs

- Every student can be successful
- Everyone is a life-long learner.
- Every student can exceed expectations.
- Every student is capable of obtaining and applying knowledge.
- Everyone is capable of fulfilling his or her life-long dreams.

NOTE

A skilled staff, serving as positive role models in a caring environment and dedicated to human resource development, will recognize and nurture the worth of the individual. New Dimensions High School will actively solicit citizen involvement and recognize its role in the development of a healthy, vibrant community.

All present and future programs will be compatible with our mission statement.

New Dimensions High School is Accredited through AdvancED (Cognia)

AdvancED is the largest community of education professionals in the world. They are a non-profit, non-partisan organization that conducts rigorous, on-site reviews of a variety of educational institutions and systems to ensure that all learners realize their full potential. Their goal isn't to certify that educational institutions are good enough. Rather, their commitment is to help these institutions continuously improve. AdvancED was created through a 2006 merger of the Pre-K-12 divisions of the North Central Association Commission on Accreditation and School Improvement (NCA CASI) and the Southern Association of Colleges and Schools Council on Accreditation and School Improvement (SACS CASI)—and expanded through the addition of the Northwest Accreditation Commission (NWAC) in 2012.

Dear New Dimensions High School Students,

Please take the time to review the New Dimensions High School Curriculum Guide. Students who are struggling with the state required graduation tests (FSA reading, math, science, and writing, and the state EOC tests) will be placed in the appropriate courses designed for academic improvement. Ninth grade courses are very important and should be selected to provide the foundation for future advanced courses. Keep in mind that all high school credits earned are listed on school transcripts. Use the 4-year planner in curriculum guide and keep it for future course selection.

Remember that college entrance requirements are more challenging than high school graduation requirements. Review the Bright Futures Scholarship program (<https://www.floridastudentfinancialaidsg.org>) and develop a strategy to qualify during your high school career.

Good luck in the coming year. We know together we'll make this the most rewarding and successful year yet.

Sincerely,

Mrs. Theresa Barrett & Dr. Sylvia Kern
NDHS Directors

For more information about NDHS, please visit our Web Page:
<http://www.NewDimensionsHS.com>

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ANNUAL REGISTRATION INSTRUCTIONS FOR STUDENTS

As a student enrolled in New Dimensions 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, that you make certain you take the proper prerequisites, and that you keep high school graduation requirements, scholarship, 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:

1. **READ** the curriculum guide carefully.
2. **REVIEW** the list of graduation requirements and determine which requirements have been met and which courses need to be taken next year. Consider courses which need be repeated because of lost credit.
3. **TALK** to your parents and teachers about course selections and appropriate academic levels.
4. **SELECT** courses that will correspond to or complement your goals for the future.
Course selection represents a commitment on the part of the student and parent to complete the schedule of classes chosen. Requests for schedule changes can only be honored for the following reasons:
 - a. Scheduling error (Example: request Algebra 1 and received Algebra 2)
 - b. Failure to complete a prerequisite course or requirement
 - c. Graduation or college requirement omitted from schedule
 - d. Special programs requiring unique schedules, (Examples: Tech Prep, Gold Seal, Choral, Exceptional Student Education, Dual Enrollment, Advanced Placement, etc.), or
 - e. Summer school course completion.

Additionally, the administration reserves the right to make necessary changes based on class size and teacher load as determined by AdvancEd/State Standards.

Helpful Websites

- FloridaShines.org: <https://www.floridashines.org/> —Florida's free academic advising website. The site includes services to help students prepare for and succeed in school and beyond.
- Office of Student Financial Assistance: <http://www.floridastudentfinancialaid.org>
- ACT for Students: <http://www.actstudent.org>
- College Board for Students: <http://www.collegeboard.com/student/index.html?student>
- 2 + 2 Pathway to College:
<https://www.floridashines.org/documents/111597/112691/2%2B2+Pathways+to+Success.pdf/2a6c1f9b-36df-42af-8e07-a23a4cf8bbdd>
- Find Your College Major: <http://www.findmycollegemajor.org/>

GRADUATION REQUIREMENTS AND INFORMATION

Graduation from New Dimensions High School is determined by the number of credits earned, with one credit representing the successful completion of eighteen weeks of study in a specific course. A minimum of 30 credits must be earned in grades 9-12. In addition to taking the required course work, in order to graduate you must:

- Have earned a cumulative grade point average of at least 2.0 on a 4.0 scale.
- Have demonstrated mastery of the Florida Standards by passing the Florida Standards Assessment, Grade 10, Test (FSA) for English Language Arts (ELA). It is essential that you recognize the importance of this examination and that you review the standards on which you will be tested prior to taking it.
- Pass the Algebra 1 FSA.
- See specific requirements on the following page:

Standard Diploma Graduation Requirements 2021-2022

English	4 Credits
Mathematics	1 Credit Algebra (EOC = 30% of final grade) 1 Credit Geometry (EOC = 30% of final grade) 2 Credits Additional Math
Science	1 Credit Biology (EOC=30% of final grade) 2 Credits Additional Science identifies as Equally Rigorous
	1 Credit World History 1 Credit United States History (EOC = 30% of final grade) .5 Credit United States Government .5 Credit Economics with Financial Literacy
World Language	Not required for graduation. Minimum 2 years of the same language required for admission into most universities and Bright Futures Scholarships.
Fine & Performing Arts, Speech/Debate, or Practical Arts	1 Credit in Fine or Performing Arts, Speech and Debate, or eligible Practical Arts
Physical Education	Option 1: 1 Credit in physical Education to include the integration of Health (HOPE) Option 2: .5 Credit Personal Fitness and .5 Credit PE Elective
Electives	8 Credits
TOTAL	24 Credits
State Assessments	Students must earn a passing score on the Grade 10 FSA ELA Statewide standardized assessment Students must earn a passing score on the Algebra 1 EOC
On-Line Course	Requires a full course to be completed
Grade Point Average	Cumulative GPA of 2.0 on a 4.0 scale (unweighted)
Service Hours	Required for Bright Futures (100+) and for college

Diploma Designations & ACCEL 18-Credit Option

Scholar Designation	In addition to meeting the 24-credit standard high school diploma requirements, a student must meet all of the following requirements: <ul style="list-style-type: none"> • Earn 1 credit in Algebra 2 • Pass the Geometry EOC • Earn 1 credit in Statistics or an equally rigorous mathematics course • Pass the Biology 1 EOC • Earn 1 credit in Chemistry or Physics • Earn 1 credit in a course equally rigorous to Chemistry or Physics • Pass the U.S. History EOC • Earn 2 credits in the same World Language • Earn at least 1 credit in an AP, IB, AICE or a dual enrollment course
Merit Diploma Designation	Meet the standard high school diploma requirements. <ul style="list-style-type: none"> • Attain one or more industry certification from the list established (per s. 1003.492, F.S.).

Student Worksheet – My 4-Year High School Plan

Student Name:		
ENGLISH (4 Credits)		
Grade	COURSE TITLE:	
9		
10		
11		
12		
MATH (4 Credits)		
Grade	COURSE TITLE:	EOC Exam
	Algebra 1	
	Algebra 2	
	Geometry	
SCIENCE (3 Credits)		
Grade	COURSE TITLE:	EOC Exam
	Biology	
Equal Rigor		
Equal Rigor		
US HISTORY (1 Credit)		
Grade	COURSE TITLE:	
WORLD HISTORY (1 Credit)		
Grade	COURSE TITLE:	
US GOVERNMENT (.5 Credit)		
Grade	COURSE TITLE:	
ECONOMICS with Financial Application (.5 Credit)		
Grade	COURSE TITLE:	
PHYSICAL EDUCATION (1 Credit)		
Grade	COURSE TITLE: HOPE	
FINE ARTS/PERFORMING ARTS/PRACTICAL ARTS (1 Credit)		
Grade	COURSE TITLE:	
ON-LINE COURSE (1 Credit)		
Grade	COURSE TITLE: Digital Information Technology (taken during Summer)	
ELECTIVES (13-15 Credits)		
Vocational		
Vocational		
Vocational		
Foreign Lang.		
Foreign Lang.		
STEM course		
STEM course		
STEM course		
STEM course		
Senior Success Initiative		
DE or AP or Vocational Cert.		

FLORIDA'S Bright Futures SCHOLARSHIP Program

General Information:

The Florida Bright Futures Scholarship Program establishes a lottery-funded scholarship to reward any Florida high school graduate who merits recognition of high academic achievement. The Bright Futures Scholarship Program is the umbrella program for all state-funded scholarships based on academic achievement in high school. Please visit <https://www.floridastudentfinancialaidsg.org/>

General Eligibility Requirements:

- Be a Florida resident
- Earn a standard high school diploma or its equivalent from a public or private high school, or complete a home education program
- Be accepted by and enrolled in an eligible Florida public or independent post-secondary education institution.
- Be enrolled for at least six (6) semester credit hours or the equivalent.
- Not have been found guilty of or pled nolo contendere to a felony charge.
- Apply for a scholarship during the last semester before high school graduation.

Scholarships:

There are varying combinations of GPA, SAT/ACT scores, community service hours, and course requirements to qualify for scholarships.

- *Florida Academic Scholars Award*
- *Florida Merit Scholars Award*
- *Florida Gold Seal Vocational Scholars Award*

Please visit the NDHS Scholarship web page for more information at www.NewDimensionsHS.com .

FLORIDA'S BRIGHT FUTURES SCHOLARSHIP PROGRAM

Florida Academic Scholars Award	Florida Medallion Scholars Award	Florida Gold Seal Vocational Scholars Award
4- year college: \$212.28* per credit hour + \$300 per semester for college expenses 2 – year college: \$63* per credit hour*	4- year college: \$159.53 per credit hour. 2 – year college: \$63* per credit hour*	\$39* towards a Career Certification Program or Applied Technology Diploma Program \$48* towards a Technical degree Education Program (AA, AAS, CCC)
3.5 weighted ACADEMIC GPA (16 credits)	3.0 weighted academic GPA (16 credits)	3.0 weighted GPA for graduation requirements. 3.5 GPA in 3 Vocational courses
100 hours of approved community service	75 hours of approved community service	30 hours of approved community service
SAT Score – 1330 ACT Score – 29 Note: the writing sections for both the SAT and ACT will not be used in the composite. SAT subject tests are not used for Bright Futures eligibility. ACT scores are rounded up for scores of .5 and higher.	SAT Score – 1210 ACT Score – 25 Note: the new writing sections for both the SAT and ACT will not be used in the composite. SAT subject tests are not used for Bright Futures eligibility. ACT scores are rounded up for scores of .5 and higher	SAT Score: Critical Reading 24 Math 24 Writing 25 ACT Score: English 17 Reading 19 Math 19 PERT Score: Reading 106 Writing 103 Math 114
All information contained within is subject to possible revision. Visit: www.floridastudentfinancialaid.org *Awards subject to change with each legislative session		

SAT: The Scholastic Assessment Test

- Test of verbal and mathematical ability.
- Two testing vouchers are available at no cost to Juniors and Seniors

ACT: American College Testing

- Assess abilities in areas like math and reading comprehension.
- Two testing vouchers are available at no cost to Juniors and Seniors

PERT: Postsecondary Education Readiness Test.

- Taken by students who want to do Dual Enrollment with Valencia College.
- Can also be used as a Gold Seal test qualifier.

Extracurricular Participation

Extracurricular activities include any after school, faculty sponsored activities, such as athletic competitions, musical performances, and club meetings. In order for a student to participate in extracurricular activities, he or she must maintain a 1.75 grade point average in grades 9 and 10 and a 2.0 GPA in grades 11 and 12. Grade point averages are based on a 4.0 scale for the grading period immediately preceding participation. A student must also have an overall 2.0 grade point average for the preceding school year in order to be eligible and must be progressing satisfactorily toward graduation without having repeated the previous grade.

CLUBS

Cheer Squad	Junior Class
Chorus	Mentoring Program
Debate	National Honor Society
Environmental Club	Senior Class
Freshman Class	Sophomore Class
History Bowl Team	Student Govt Association (SGA)
H.O.S.A.	Yearbook/Newspaper
Interact Club	

SPORTS

Soccer (Boys & Girls)
Basketball – BOYS
Cross Country (Boys & Girls)
Tennis – Girls
Track & Field (Boys & Girls)
Volleyball - GIRLS
Weight Lifting (Boys & Girls)

**Please refer to the NDHS Web Site for complete list.*

GRADE FORGIVENESS

Forgiveness policies for required courses shall be limited to replacing a grade of “D” or “F” with a grade of “C” or higher, earned subsequently in the same or comparable course. Forgiveness policies for elective courses shall be limited to replacing a grade of “D” or “F” with a grade of “C” or higher, earned subsequently in another course.

NOTE: Eighth grade students taking high school courses according to the Pupil Progression Plan are exempt from the Grade Forgiveness rule.

DE, AP, and FVS Programs

Dual Enrollment

Dual Enrollment is an opportunity for students to take college level courses with Valencia College or TECO. Please see your Director for further information and applications for Valencia and taking the PERT test or TECO and taking the TABE test.

AP (Advanced Placement Program)

Students interested in potential college course credit can enroll in several of the AP courses available *:

- English Language
- English Literature
- Environmental Science
- European or World History
- Music Theory
- Psychology
- Spanish Literature
- Spanish Language
- US Government and Politics

Students must meet pre-requisites to enroll. Students who score 3 or higher on the AP exam are eligible to receive college credit from colleges and universities. Most colleges accept AP credit, but the student should check the policy of the college choice.

*AP course selections are subject to change.

Advanced Placement (AP) Tests

Advanced placement tests are given at the completion of an advanced placement course. (See curriculum guide for complete listing of courses) The exams are administered in May and the results mailed to the home, high school, and specified colleges. Most colleges accept AP credit, but the student should check the policy of the college choice.

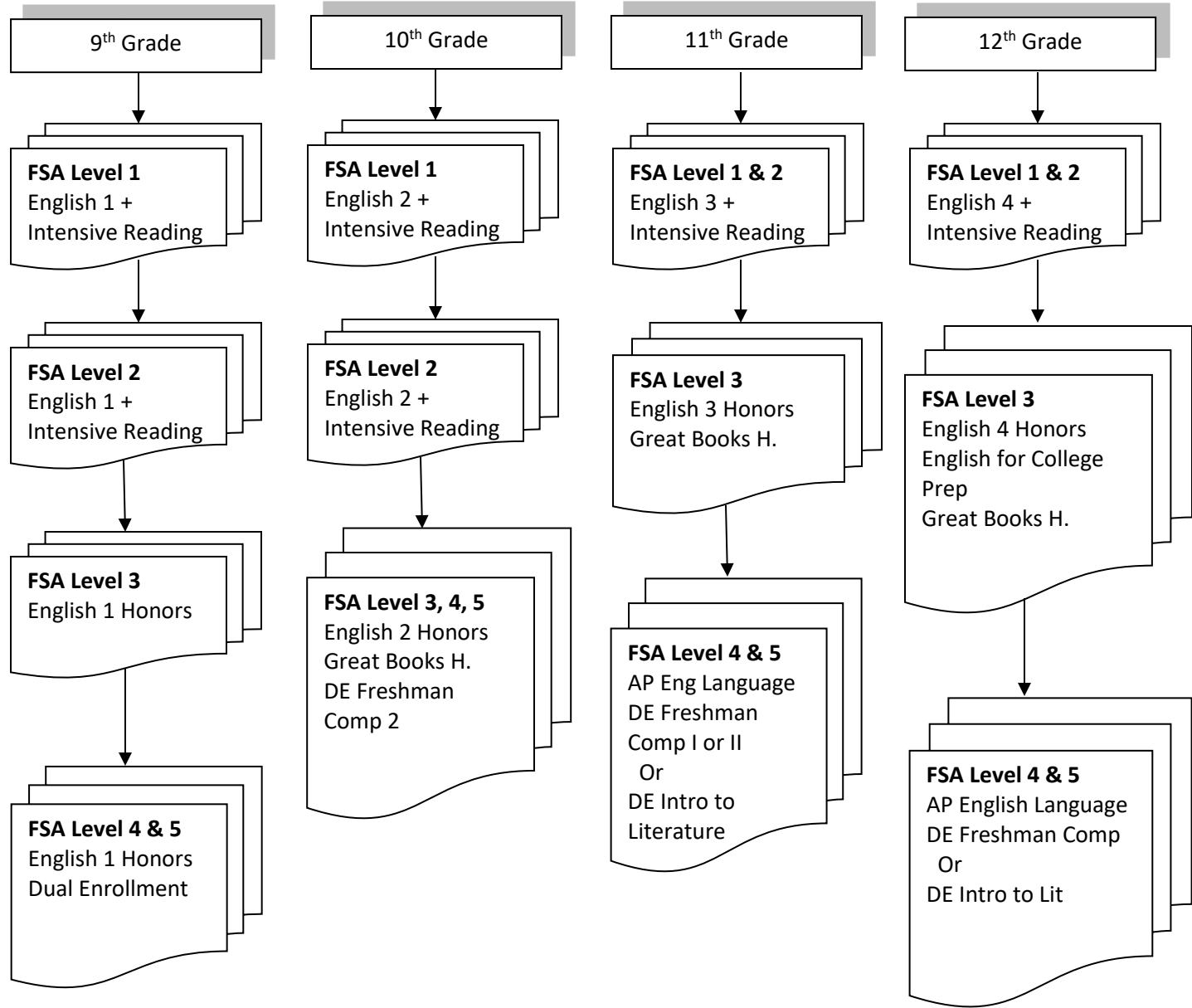
Florida Virtual School

Florida Virtual School offers many on-line courses for students who want to take courses for remediation or who want to complete graduation requirements. New Dimensions recommends that ALL Freshmen take one of these on-line courses before the 10th grade:

- Informational Technology
- Digital Design
- US Government
- Economics w/Financial Literacy
- H.O.P.E.
- Driver's Education

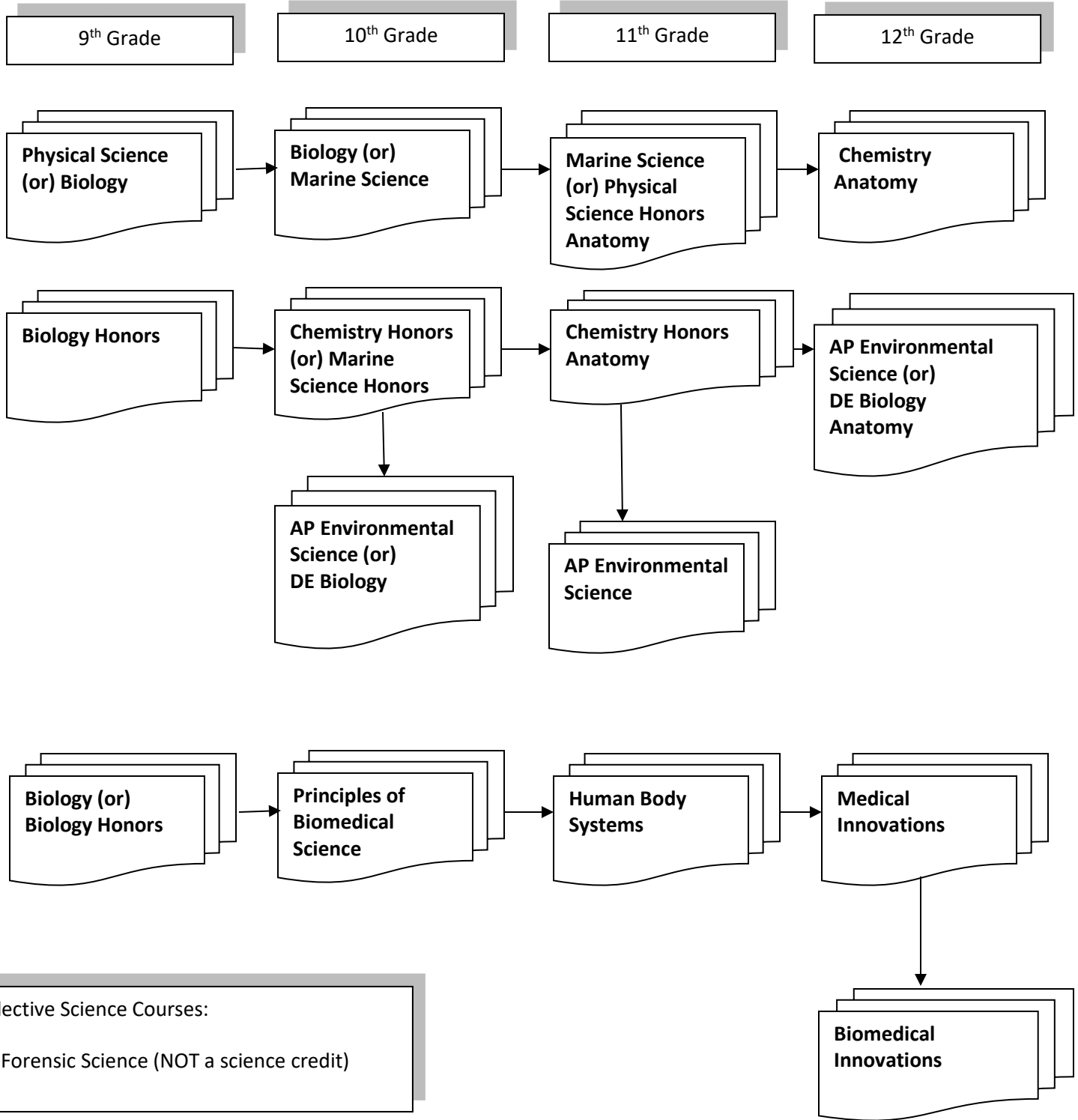
ALL students applying for Dual Enrollment MUST take their on-line graduation requirement BEFORE starting Dual Enrollment.

Language Arts

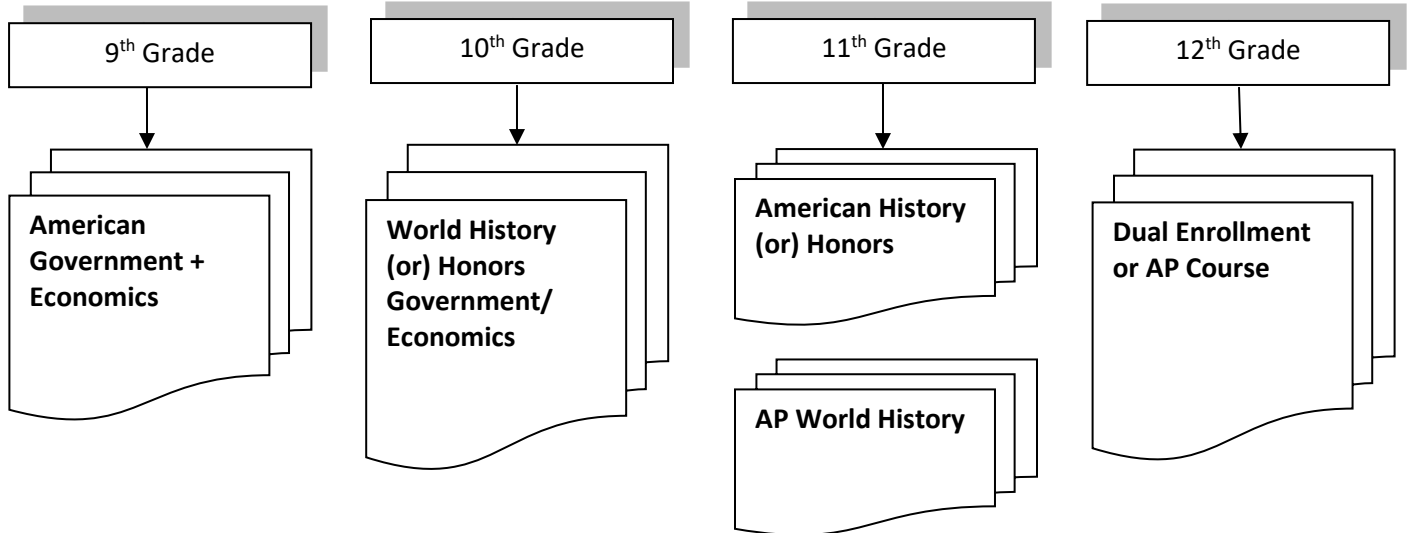


Level 1 & 2 students will remain in Intensive Reading class until they achieve Level 3 on the FSA.

Science



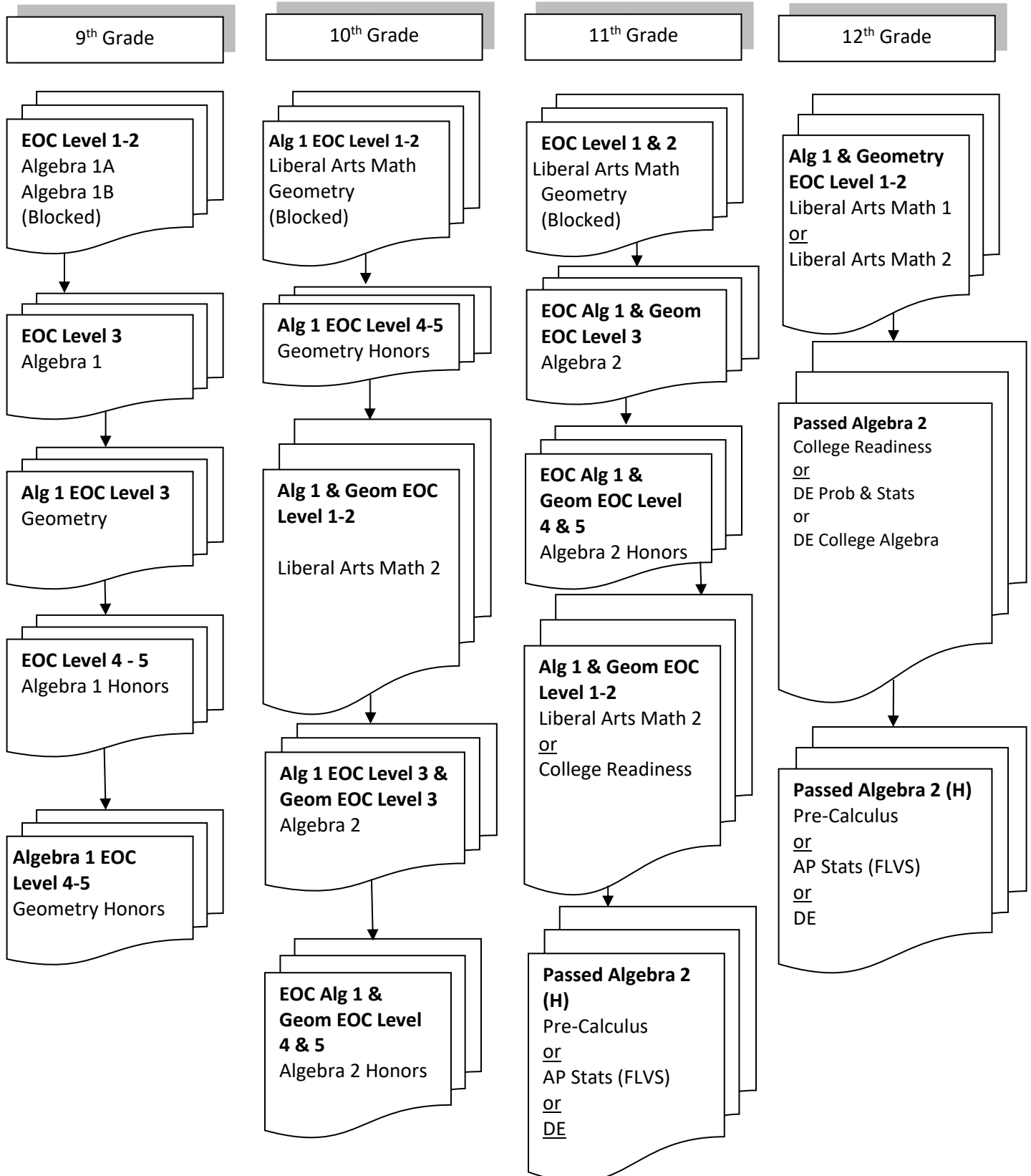
Social Studies



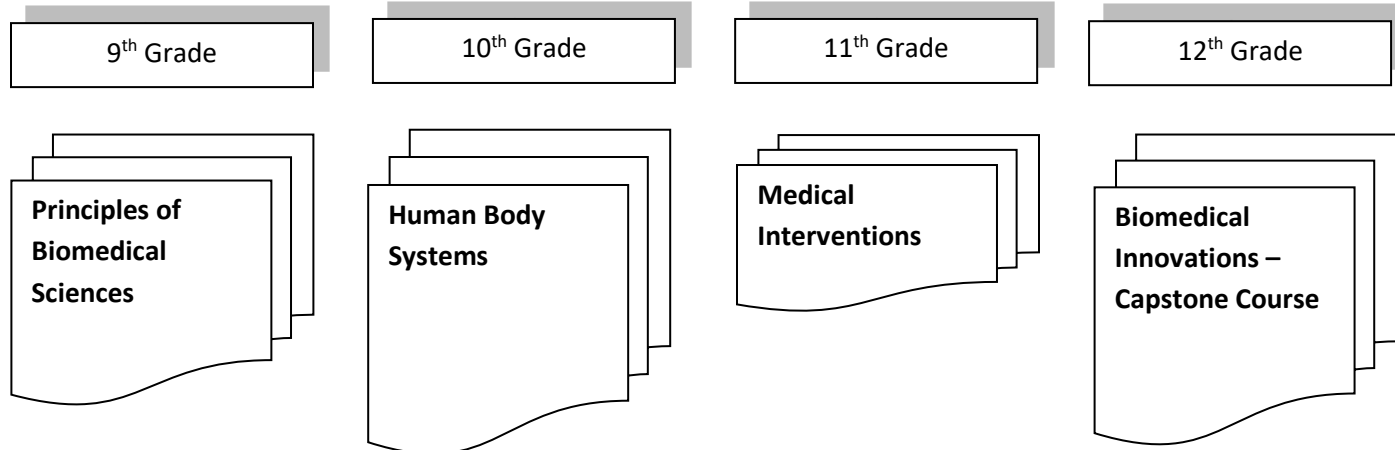
In Addition to the Classes Above You Can Also Take These Electives:

Psychology 1 & 2
AP Psychology

Mathematics



BIOMEDICAL S.T.E.M. Program



Students may take PBS and HBS Freshman year and MI and BI their Sophomore year.

<i>Sample Student 4-Year BMS Schedule</i>	
<i>Grade 9 Semester 1</i>	<i>Grade 9 Semester 2</i>
<i>Principles of Biomedical Science (PBS)</i>	<i>Human Body Systems</i>
<i>Algebra or Geometry</i>	<i>English 1</i>
<i>Biology</i>	<i>HOPE</i>
<i>Elective</i>	<i>Elective</i>
<i>Grade 10 Semester 1</i>	<i>Grade 10 Semester 2</i>
<i>Medical Interventions</i>	<i>Biomedical Innovation</i>
<i>Chemistry</i>	<i>English 2</i>
<i>Geometry or Alg 2</i>	<i>World History</i>
<i>Elective</i>	<i>Elective</i>
<i>Grades 11 & 12: Dual Enrollment at Valencia College in courses working toward the Pre-Major, Biomedical Science. Must maintain a GPA of 3.0 or higher.</i>	

COURSE DESCRIPTIONS

VOCATIONAL EDUCATION

Students are reminded that elective course offerings are determined by the availability of facilities and the number of student requests. Therefore, not all elective courses are offered. Students should contact their guidance counselor if they have any questions regarding a course or program in which they are interested. Descriptors used to designate course data appear below.

BIOMEDICAL Honors S.T.E.M. Program

87081101 PBS Honors

PRINCIPLES OF BIOMEDICAL SCIENCES

This course provides an introduction to the biomedical sciences through exciting hands-on projects and problems. Students investigate concepts of biology and medicine as they explore health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person as they sequentially piece together evidence found in medical history and autopsy reports. Students will investigate lifestyle choices and medical treatments that might have prolonged that person's life and demonstrate how the development of disease is related to changes in human body systems. This course is designed to provide an overview of all the courses in the biomedical sciences program and lay the scientific foundation for subsequent courses.

*Grades 9-12 Prerequisite: Bio or
Equally Rigorous Science Recommendation

87081201 HUMAN BODY SYSTEMS

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.

SCIENCE CREDIT

*Grades 10-12 Prerequisite: PBS
Equally Rigorous Science

87081301 MI Honors

MEDICAL INTERVENTIONS

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

SCIENCE CREDIT

*Grades 10-12 Prerequisite: PBS & MI
Equally Rigorous Science

87081401

BIOMEDICAL INNOVATIONS HONORS (BI CAPSTONE COURSE)

In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution.

VOCATIONAL CREDIT

*Grades 10-12 Prerequisite: PBS,
HBS,*

& MI

VOCATIONAL EDUCATION continued...

DIVERSIFIED OCCUPATIONS

05005001 PERSONAL, CAREER, AND SCHOOL DEVELOPMENT SKILLS 1, 2, 3, 4 (OJT)

The purpose of this course is to provide students with on-the-job training based on the student's chosen occupation. This course prepares students for employment and advancement in an occupation.

Grades 12 Prerequisite: Proof of Employment, Met Grad. Requirements

PUBLIC SERVICE

89090101 TEACHER ASSISTING 1-Honors

This course is an honors level course. Students are placed in the role of peer tutors. Students may work at OHS and/or at Thacker Elementary. This program is for students who are considering teaching as a career. Three credits in Teaching Assisting with a 3.5 GPA and a 3.0 GPA overall may win a Florida Gold Seal Scholarship.

Grades 11-12 Prerequisite: tchr appr &/ or 3.0 GPA

89090201 TEACHER ASSISTING 2-Honors

This course is a continuation of Teacher Assisting 1 Honors.

Grades 11-12 Prerequisite: tchr appr &/ or 3.0 GPA

89090301 TEACHER ASSISTING 3-Honors

This course is a continuation of Teacher Assisting 1 and 2 Honors. Most students may be assigned as unpaid interns in the career field of their choice. This course is for students who want to help others, who are considering teaching as a career, or who are interested in career exploration.

Grades 11-12 Prerequisite: tchr appr &/ or 3.0 GPA

Career & Tech Ed

82095101

Digital Design 1

This course is designed to develop basic entry-level skills required for careers in the digital publishing industry. The content includes computer skills; digital publishing concepts and operations; layout, design, measurement activities; and digital imaging as well as communication, collaboration and decision-making activities; critical thinking; and problem solving. After successful completion of Digital Design 1 students will have met occupational completion point.

Grades 9 - 12

Prerequisite: None

82095201

Digital Design 2

This course continues the development of entry-level skills required for careers in digital design. The content includes computer skills; digital publishing operations; layout, design, and measurement activities; digital imaging; communication, collaboration and decision-making activities; critical thinking and problem solving.

82073101

Digital Information Technology

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

Grades 9 -12

Prerequisite: None

8201200

Digital Media/Multimedia Design

The purpose of this program is to prepare students for work as multimedia artists and animators. The content includes, but it is not limited to, practical experiences in webpage design and interactive presentation development, testing, and production. Specialized skills in multimedia presentations such as video editing, audio features, and simple animation and authoring software are used to produce a variety of interactive multimedia presentations.

Grades 9-12 Prerequisite: None

Dual Enrollment

Valencia College

For students wishing to participate in the Dual Enrollment program with Valencia, please go to the Valencia Dual Enrollment web site for more information:

<http://valenciacollege.edu/dual/>

Students must have a minimum 3.0 GPA unweighted and pass the PERT test administered at Valencia. Students must have taken and passed the Alg 1 course & EOC as well as HOPE, Geometry, and World History.

Grades 9-12 Prerequisite: 3.0 GPA

**See Directors if interested.

TECO

For students wishing to participate in the TECO career Dual Enrollment program, please visit the TECO web site for more information:

http://teco.osceolaschools.net/our_programs

Students must complete an application and must have the majority of graduation requirements complete. Students will be required to take the TABE at TECO once accepted.

Grades 11-12 Prerequisite: 2.5 GPA

**See Directors if interested.

8208110

Game and Simulation Foundations

This course is designed to introduce game and simulation concepts and careers, the impact game and simulation has on society and industry, and basic game/simulation design concepts such as rule design, play mechanics, and media integration. This course compares and contrasts games and simulations, key development methodologies and tools, careers, and industry related information. This course also covers strategies, processes, and methods for conceptualizing a game or simulation application; storyboarding techniques; and development tools.

Grades 9-12 Prerequisite: None

8827410

Sport, Recreation, and Entertainment Essentials

The purpose of this course is to develop the competencies essential to sport, recreation, and entertainment marketing. These competencies include employability, human relations, communication, math, and economic skills. The fundamental of sport, recreation, and entertainment marketing and selling are also included. This is not an occupational completion point after the completion of this course.

Grades 9-12 Prerequisite: None

Florida Virtual School

FLORIDA VIRTUAL SCHOOL

Students are required to take an on-line course with Florida Virtual School or they may meet this requirement by taking a Dual Enrollment course on-line.

PERFORMING ARTS

CHORAL MUSIC

13033001 CHORUS 1

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

Grades 9-12 Prerequisite: None

13033101 CHORUS 2

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

Grades 9-12 Prerequisite: Chorus 1

13033201 CHORUS 3

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

Grades 9-12 Prerequisite: Chorus 1

THEATER

04007001 MUSICAL THEATER 1

Students' course work focuses on, but is not limited to, acting, vocal performance, dance, non-dance movement, and staging, which transfer readily to performances in musicals and other venues. Students survey the evolution of music in theatre from ancient Greece to modern Broadway through a humanities approach and representative literature. Music theatre students explore the unique staging and technical demands of musicals in contrast to non-musical plays. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

Grades 9-12 Prerequisite: None

PERFORMING ARTS continued ...

BAND

13023001 JAZZ BAND 1

The purpose of this course is to enable students to develop basic technical skills on wind, percussion, or electronic 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. NON-MARCHING.

Grades 9-12

Prerequisite: Music Theory Or Prior Band

13023101 JAZZ BAND 2

The purpose of this course is to enable students to develop intermediate-level technical skills on wind, percussion, or electronic 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. NON-MARCHING.

Grades 9-12

Prerequisite: Band 1

130231201 JAZZ BAND 3

The purpose of this course is to enable students to develop intermediate-level technical skills on wind, percussion, or electronic 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. NON-MARCHING.

Grades 9-12

Prerequisite: Band 2

13023301 JAZZ BAND 4

The purpose of this course is to enable students to develop intermediate-level technical skills on wind, percussion, or electronic 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. NON-MARCHING.

Grades 9-12

Prerequisite: Band 3

1301360 Keyboard 1

Students build fundamental piano techniques while learning to read music, acquire and apply knowledge of basic music theory, and explore the role of keyboard music in history and culture. Beginning pianists develop skills in analytical listening and explore musical creativity in the form of basic improvisation and basic composition. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and /or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

Grades 9-12

Prerequisite: None

FOREIGN LANGUAGES

SPANISH

07083401 SPANISH 1

The purpose of this course is to introduce students to the Spanish language and its culture and to develop communicative skills and cross-cultural understanding. This course is designed primarily for those students who have no background in the Spanish language.

Grades 9-12

Prerequisite: None

07083501 SPANISH 2

The purpose of this course is to reinforce the fundamental skills acquired by the students in Spanish 1. This course develops increased listening, speaking, reading, and writing skills, as well as cultural awareness.

Grades 9-12

Prerequisite: Spanish 1

07083601 SPANISH 3 HONORS

The purpose of this course is to reinforce the fundamental skills acquired by the students in Spanish 1. This course develops increased listening, speaking, reading, and writing skills, as well as cultural awareness.

Grades 10-12

*Prerequisite: Spanish 2
and/or Teacher Recommendation*

07084001 Advanced Placement AP SPANISH LANGUAGE Honors Credit

This course is intended to cover the equivalent of a 3rd year Spanish college course in advanced composition and conversation and conversation. It emphasizes the use of Spanish for communication, aural/oral skills, reading comprehension, grammar and composition.

Grade 10-12

Prerequisite:

Spanish 2

or 80% Placement Test

07084101 Advanced Placement AP SPANISH LITERATURE Honors Credit

This course is intended to cover the equivalent of a 3rd year Spanish college course in advanced literature and conversation. It emphasizes the use of Spanish for communication, aural/oral skills, reading comprehension, grammar and composition.

Grade 11-12

Prerequisite:

Spanish 2

or 80% Placement Test

OTHER ELECTIVES

LANGUAGE ARTS ELECTIVE

10004101 INTENSIVE READING

The purpose of this course is to enable students to build comprehensive reading knowledge by developing fluency, building vocabulary skills, and increasing comprehension through intensive instruction and practice.

Grade 9-12

Prerequisite:
Level 1 or 2 on the previous year FSA
Reading test

PYSCHOLOGY

• Blocked Course •
21073000/21073100

PSYCHOLOGY 1 / PSYCHOLOGY 2

The purpose of this course is to provide students with the opportunity to acquire an understanding of human behavior, behavioral interaction, and the progressive development of individuals. Course content includes the theories and methods of study employed by psychologists, human growth and development, self-concept development, adjustment, motivation, and intelligence.

Grade 11-12

Prerequisite: None

2107350 AP PSYCHOLOGY

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

Grade 9-12

Prerequisite: None

LEADERSHIP

24003101 LEADERSHIP TECHNIQUES ****Strongly Recommended****

The purpose of this course is to teach leadership skills, include instruction on developing leadership skills, interpersonal skills, organization skills, and research skills; creating a résumé; developing and practicing the skills necessary for employment interviews; conflict resolution, workplace ethics, and workplace law; managing stress and expectations; and developing skills that enable students to become more resilient and self-motivated.

Grades 10-11

Prerequisite: None

SENIOR INITIATIVE

17003001 SENIOR SUCCESS INITIATIVE ****REQUIRED SENIOR COURSE****

Students will choose an issue that 'speaks to them'. This may be a community issue or a global concern. Examples are, but not limited to: Human Trafficking, Climate Change effects on specific areas or environments (FL coast lines), Elder Care, Hunger, and Abuse, Domestic Abuse, Homelessness, etc. All seniors will be scheduled into Senior Success 1st semester. Students will complete 25 documented hours of community service with an organization that addresses their chosen issue during the second semester of the school year. At the end of the second semester, students will present their reflection presentation to a panel of judges. The presentation will provide judges with facts and data about the chosen issue, a summary of their volunteer experience, followed by the student's reflection of what they learned most and what they personally see is the future of the issue, as well as how they have become part of the solution.

Grades 12

Prerequisite: None

OTHER ELECTIVES continued ...

Blocked Course - Consecutive •

17003800 / 05003700

17003800

CAREER RESEARCH AND DECISION MAKING

This course enables students to make informed career choices and develop the skills needed to successfully plan and apply for college or a job. Students will study goal-setting and decision-making processes, self-assessment, sources of career information, occupational fields and educational requirements, postsecondary education and training opportunities, writing, listening, viewing, and speaking skills for applications and interviews, sources of educational financial assistance, and career planning. Students will develop a limited portfolio of items which will be required in the pursuit of career goals.

Grades 9-12

Prerequisite: None

05003700

VOLUNTARY PUBLIC SERVICE

The purpose of this course is to develop an appreciation of the concept of service to the community and to develop skills necessary to evaluate the impact of service upon others. Students can earn a half credit at the end of 75 hours of service in an approved school or community service program. Topics include: service learning, social movements, civic awareness, and organization involvement to promote the common good. Students are required to become engaged in at least one community service project that affects the school, community, nation, or world.

Grades 9-12

Prerequisite: None

Blocked Course - Consecutive •

2102372/8500120

2102372

PERSONAL FINANCIAL LITERACY

The primary content for the course pertains to the study of learning the ideas, concepts, knowledge and skills that will enable students to implement beneficial personal decision-making choices; to become wise, successful, and knowledgeable consumers, savers, investors, users of credit and money managers; and to be participating members of a global workforce and society. Content should include, but not be limited to: cost/Benefit analysis of economic decisions, earning an income, understanding state and federal taxes, utilizing banking and financial services, balancing a checkbook and managing a bank account, savings, investment and planning for retirement, understanding loans and borrowing money, including predatory lending and payday loans, understanding interest, credit card debt and online commerce, how to prevent identify fraud and theft, rights and responsibilities of renting or buying a home, understanding and planning for major financial purchases, understanding the costs and benefits of insurance, understanding the financial impact and consequence of gambling, avoiding and filing bankruptcy, reducing tax liability.

Grades 9-12

Prerequisite: None

8500120

PERSONAL & FAMILY FINANCE

The purpose of this course is to give students an overview of personal and family finance concepts including the American economic system, personal and family management of resources including income, money management, saving and investing, spending and credit, the role of financial institutions and the consumer, consumer information and taxation and financial planning. This content includes, but is not limited to, consumer rights and responsibilities, record-keeping, decision making and consumer choices, resource management, credit, taxation, wills, savings plans, investments, money management resources, insurance and contracts.

Grades 9-12

Prerequisite: None

LANGUAGE ARTS

Students may only take English courses in the indicated grade.

10013101 ENGLISH 1

The purpose of this course is to provide English 1 students, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness.

Grade 9 *Prerequisite: Passed general English in 8th grade*

10013201 ENGLISH HONORS 1

The purpose of this course is to provide grade 9 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness. Through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted, students are challenged to think and collaborate critically on the content they are learning.

Grade 9 *Prerequisite: FSA Level 3-5*

10013401 ENGLISH 2

The purpose of this course is to provide grade 10 students, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness. *Grade 9, 10*

Prerequisite: English 1 or equiv

10013501 ENGLISH HONORS 2

The purpose of this course is to provide grade 10 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language in preparation for college and career readiness. Through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted, students are challenged to think and collaborate critically on the content they are learning.

Grade 9, 10 *Prerequisite: English 1H or FSA Level 3-5*

10013701 ENGLISH 3

The purpose of this course is to provide grade 11 students, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness. *Grade 10, 11*

Prerequisite: English 2 or equiv

10013801 ENGLISH HONORS 3

The purpose of this course is to provide grade 11 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language in preparation for college and career readiness. Through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted, students are challenged to think and collaborate critically on the content they are learning.

Grade 10, 11 *Prerequisite: Eng 2 Hon or FSA Level 3-5*

10014001 ENGLISH 4

The purpose of this course is to provide grade 12 students, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness.

Grade 11, 12 *Prerequisite: Eng 3 or equiv*

LANGUAGE ARTS Continued . . .

10014101

ENGLISH HONORS 4

The purpose of this course is to provide grade 12 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness. Through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted, students are challenged to think and collaborate critically on the content they are learning.

Grade 11 or 12

*Prerequisite: Eng 3
Honors or FSA Level 3-5*

10014301

Advanced Placement

AP ENGLISH LANGUAGE & COMPOSITION

This course will help students understand the interactions among a writer's purpose, audience, subject, and genre and how each of these contributes to effective writing. Students will enhance their own writing skills and understand better each stage of the writing process as they develop expository, analytical, and argumentative compositions.

Grade 11 or 12

*Prerequisite: AP Teacher
Recommendation
or FSA Level 4-5*

10014051

ENGLISH 4 Florida College Prep

This course incorporates reading and writing study through writing a variety of informative texts using grade-level writing craft and through the in-depth reading and analysis of informational selections in order to develop critical reading and writing skills necessary for success in college courses. This course prepares students for successful completion of Florida college English courses. The benchmarks reflect the Florida Postsecondary Readiness Competencies necessary for entry-level college courses.

Grade 11 or 12

*Prerequisite: FSA
Level 4-5*

10208601

GREAT BOOKS HONORS

The purpose of this course is to enable students, using texts of high complexity, to develop knowledge of great literature through advanced integrated educational experiences of reading, writing, speaking and listening, and language. Emphasis will be on representative "great books," including ones with varied cultural influences, highlighting the major genres, themes, issues, and influences associated throughout the literary period.

Grade 10-12

Prerequisite: Eng 1

MATHEMATICS

12003101 ALGEBRA 1

The purpose of this course is to provide students with the foundation for more advanced mathematics courses and to develop the skills needed to solve mathematical problems. Course content includes, but is not limited to, sets, variables, real number systems, equations and inequalities, relations and functions, graphs, rational and irrational numbers, and radicals.

Grades 9-10 Prerequisite: FSA Level 3

12003201 ALGEBRA 1 HONORS

The purpose of this course is to provide a rigorous and in-depth study of algebra, emphasizing deductive reasoning skills, as a foundation for more advanced mathematics courses, and to develop the skills needed to solve mathematical problems.

Grades 9, 10 Prerequisite: FSA Level 4-5

12003701 ALGEBRA 1 A Semester 1

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. (Units 1-2)

*Grades 9, 10 Prerequisite: 8th grade
FSA Level 1-2*

12003801 ALGEBRA 1 B Semester 2

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. (Units 3-5)

*Grades 9, 10 Prerequisite: 8th grade
FSA Level 1-2*

12003301 ALGEBRA 2

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The critical areas for this course, organized into five units, are as follows: Polynomial, Rational, and Radical Relationships, Trigonometric Functions, Modeling with Functions, Inferences and Conclusions from Data, Applications of Probability

Grades 9-12 Prerequisite: Geometry

MATHEMATICS continued . . .

12003401

ALGEBRA 2 HONORS

The purpose of this course is to present an in-depth study of the topics of Algebra II, with emphasis on theory, proof, and development of formulas and their application.

Grades 9-12

*Prerequisite: Geometry
FSA Level 3-5 or
Alg Level 4-5*

12063101

GEOMETRY

Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between this Geometry course and the historical approach taken in Geometry classes. For example, transformations are emphasized early in this course. Close attention should be paid to the introductory content for the Geometry conceptual category found in the high school standards. The critical areas, organized into five units are as follows: Congruence, Proof, and Constructions, Similarity, Proof, and Trigonometry, extending to Three Dimensions, Connecting Algebra and Geometry through Coordinates, and Circles with and Without Coordinates.

Grades 9-12

Prerequisite: Alg 1 Level 1-3

12063201

GEOMETRY HONORS

Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between this Geometry course and the historical approach taken in Geometry classes. Close attention should be paid to the introductory content for the Geometry conceptual category found in the high school standards. The critical areas, organized into five units are as follows: Congruence, Proof, and Constructions, Similarity, Proof, and Trigonometry, Extending to Three Dimensions, Connecting Algebra and Geometry Through Coordinates, and Circles with and Without Coordinates.

Grades 9-12

Prerequisite: Alg 1 Level 4-5

12082901

LIBERAL ARTS MATH 1

This course is intended to build on previous mathematics courses and to place emphasis on bringing about a deep understanding of those mathematical relationships that will help students gain mathematical literacy in the real world, show the connection between algebra, geometry, and statistics, and simultaneously help them build a strong foundation for future study in mathematics and other disciplines. The main goals for this course are to teach students how to problem solve, communicate, and reason mathematically; make mathematical connections; create and interpret mathematical representations and models; and make efficient and appropriate use of technology to solve problems.

Grade 10-12

Prerequisite: Algebra 1 Level 1-2

Geometry Level 1-2

207310

LIBERAL ARTS MATH 2

Liberal Arts Mathematics is a course designed to strengthen the mathematical skills required for college entrance exams and for further study of advanced mathematics. Topics shall include, but not be limited to, operations with real numbers, ratio and proportion, percent, the algebra of sets, integers, polynomials, factoring, algebraic expressions, equations and inequalities, quadratic equations, and the geometry of angles, lines, polygons, similarity and congruence.

Grades 10-12

Prerequisite: Algebra/Geometry

PERT 97-113

12023401

PRE CALCULUS Honors

This course will enable students to develop concepts and skills in advanced algebra, analytic geometry, and trigonometry. Course content includes: identify and graph polynomial and rational, exponential and logarithmic functions, trigonometric graphs, equations & applications, vectors & parametric equations, polar coordinate system, concept of limits, conic sections, analytic geometry and systems, and matrices. **A Graphing Calculator is Required to take this course.**

Grades 10-12

Prerequisite: Alg 2

MATHEMATICS continued . . .

12007001

MATH FOR COLLEGE READINESS

Required for students who score less than below 440 on the SAT Math, or below 19 on ACT Math. This course prepares students for entry level College Mathematics. Major topics include properties of integers and rational numbers, integer exponents, simple linear equations and inequalities, operations on polynomials including beginning techniques of factoring, introduction to graphing, and introduction to operations on rational expressions. The content should include, but not be limited to, the following:

- using signed numbers
- simplifying algebraic expressions
- solving algebraic equations
- simplifying exponents and polynomials
- factoring polynomials
- graphing linear equations
- simplifying, multiplying, and dividing rational expressions
- simplifying and performing operations with radicals

Grade 12

*Prerequisite: Algebra 2
or Liberal Arts 2*

PHYSICAL EDUCATION

• *Blocked Course* •
1505500/15033100

VOLLEYBALL / BASKETBALL

The purpose of this course is to acquire knowledge and skills in volleyball and basketball for current and future recreational pursuits and maintain and/or improve personal fitness. Strategies of team play, skill acquisition, and the maintenance and/or improvement of personal fitness should be stressed.

Grade 9-12

Prerequisite: NONE

• *Blocked Course* •
15013100 / 15013200

FITNESS LIFESTYLE DESIGN

The purpose of this course is to enable students to develop safety practices for terminology, - biomechanical and physiological principles, concepts and principles of health-related fitness, personal and group fitness activities, personal fitness programs, fitness assessment, nutrition, consumer issues, and benefits of participation.

FITNESS ISSUES FOR ADOLESCENTS

This course provides instruction to students regarding issues particular to adolescent health and fitness.

Grades 10-12

Prerequisite: None

• *Blocked Course* •
15033500/15033600

TEAM SPORTS 1 & 2

The purpose of this course is to enable students to acquire basic knowledge of team sports play, develop skills in specified team sports, and maintain or improve health-related fitness.

Grades 9-12

Prerequisite: None

• *Blocked Course* •
15033200/15024000

SOCCER / HANDBALL

The purpose of this course is to enable students to acquire basic knowledge of soccer, paddleball, racquetball, and handball to develop skills in specified sports, and to maintain or improve health-related fitness.

Grades 9-12

Prerequisite: None

30260101

Health Opportunities Through Physical Education (HOPE)

The objective of the HOPE class is to introduce the principles of health through nutrition, fitness, and mental, social, and emotional wellness. The course includes discussion of values, peer pressure, and decision-making, and education, mental and emotional health (including self-esteem, eating disorders, stress and anger management, and domestic violence and family issues), and other high risk behaviors. Students will take 9 weeks of Health and 9 weeks of Personal Fitness during the school semester. If the student satisfactorily fulfills course requirements, one full credit will be earned.

Grades 9-12

Prerequisite: None

SCIENCE

20013801

**Advanced Placement
AP ENVIRONMENTAL SCIENCE**

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science. The following themes provide a foundation for the structure of the AP Environmental Science course.

*Grade 10-12 Prerequisite: Env Sci & Alg 1
Equally Rigorous

**20003101
BIOLOGY 1**

The purpose of this course is to provide students with general exploratory experiences and activities in the fundamental concepts of life. Course content includes scientific method, scientific measurement, laboratory safety and use of apparatus, cell biology, cell reproduction and basic principles of genetics. A general overview of how organisms adapt and respond to their environment through the chronology of Earth's history is also provided.

Grades 9-12 Prerequisite: None

**20003201
BIOLOGY 1 HONORS**

This course is intended for highly motivated, college-bound students. Topics include the study of biochemistry, cell biology, cell reproduction, genetics, microbiology, invertebrate and vertebrate anatomy and physiology. The course includes extensive laboratory experiences including dissection and cell cultures.

Grades 10-12 Prerequisite: Tchr Appr

20033101

PHYSICAL SCIENCE

The purpose of this course is to provide a quantitative investigative study of the introductory concepts of physics and chemistry. The content should include the following: dynamics, classification and interaction of matter, periodic table, forms of energy, electricity and magnetism, chemical interactions, nuclear reactions, and career opportunities in physical science.

*Grade 9-12 Prerequisite: None
Equally Rigorous

2002480

FORENSIC SCIENCES 1

Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations.

ELECTIVE (not a science credit)
Grade 9-12 Prerequisite: None

20025001

MARINE SCIENCE

This course is designed to give students an overview of the sciences connected with marine life and concentrates on how marine life copes with the stresses found in the oceans and their unique survival strategies. Areas covered include natural resources from the sea, tides and current regimes, marine ecology, chemical and physical characteristics of sea water, taxonomy of invertebrates and vertebrates, and ocean exploration. Emphasis is on the marine habitats and interactions of plants and animals.

*Grades 11-12 Prerequisite: Bio 1 credit
Equally Rigorous

SCIENCE Continued . . .

20003501

ANATOMY & PHYSIOLOGY

The purpose of this course is to enable students to develop thorough understanding of the relationships between the structures and functions of the human body. It includes the study of human systems and their most important functions, use of laboratory technologies, and connections between anatomy, physiology, medicine, technology, society, and the environment.

Grades 11-12

Prerequisite: Biology

**Equally Rigorous*

20033401

CHEMISTRY

This course is designed to serve as a foundation for the study of Chemistry. The utilization of scientific inquiry, interactive experiences, higher order thinking, collaborative projects, real world application through labs and a variety of assessments all aid the student in ultimately demonstrating a vast understanding of the importance of Chemistry in the world around them; enabling them to apply these properties to their everyday lives.

Grades 10-12

Prerequisite: Alg 1

**Equally Rigorous*

20033501

CHEMISTRY HONORS

The purpose of this course is to provide students with a rigorous study of the composition, properties and changes associated with matter. Course content includes atomic structure, bonding, the periodic table, formulas, phase changes, solutions, acids, bases and salts, and nuclear chemistry.

Grades 10-12

*Prerequisite: Teacher
Recommendation*

**Equally Rigorous*

2001340

ENVIRONMENTAL SCIENCE

Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. Students will be in the science lab or field, collecting data every week. During school laboratory investigations students will be provided with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models. Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data.

Grades 10-12

Prerequisite: Alg 1

**Equally Rigorous*

Bio Medical S.T.E.M. PROGRAM

87081101 PBS Honors

PRINCIPLES OF BIOMEDICAL SCIENCES

This course provides an introduction to the biomedical sciences through exciting hands-on projects and problems. Students investigate concepts of biology and medicine as they explore health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person as they sequentially piece together evidence found in medical history and autopsy reports. Students will investigate lifestyle choices and medical treatments that might have prolonged that person's life and demonstrate how the development of disease is related to changes in human body systems. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes, while allowing them to design their own experiments to solve problems. This course is designed to provide an overview of all the courses in the biomedical sciences program and lay the scientific foundation for subsequent courses.

Grades 9-12

*Prerequisite: Bio
Rec*

**Equally Rigorous Science Credit*

87081201 HBS Honors

HUMAN BODY SYSTEMS

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.

SCIENCE CREDIT

Grades 10-12

Prerequisite: PBS

**Equally Rigorous Science Credit*

87081301

MI Honors

MEDICAL INTERVENTIONS

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

SCIENCE CREDIT

Grades 10-12

Prerequisite: PBS & HBS

**Equally Rigorous Science Credit*

87081401

BI Honors

BIOMEDICAL INNOVATIONS (CAPSTONE COURSE)

In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution.

VOCATIONAL CREDIT

Grades 10-12

Prerequisite: PBS, HBS, & MI

SOCIAL STUDIES

21003101 US HISTORY

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

Grades 10-12

Prerequisite: None

21003201 US HISTORY HONORS

The purpose of this course is to provide students with the opportunity to acquire an understanding of the historical method, the inquiry process, historical reasoning and interpretation, and the issues of external and internal validity as they relate to political, economic, social, religious, military, scientific and cultural events that have affected the nation. Students who excel in this course may be recommended for AP Am. History.

Grades 10-12 Prerequisite: Teacher Approval

21093101 WORLD HISTORY

The purpose of this course is to provide students 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.

Grades 10-12

Prerequisite: None

21093201 WORLD HISTORY HONORS

The purpose of this course is to provide students with a comprehensive study of the past, with emphasis on change and its relationship to the development of humanity. The course content includes an understanding of the historical method, the inquiry process, historical reasoning, and interpretation, and the issues of external and internal validity. Students will engage in various research projects and presentations.

Grades 10-12 Prerequisite: Teacher Approval

2109420 Advanced Placement AP World History

AP World History is designed to be the equivalent of a two-semester introductory college or university world history course. In AP World History students investigate significant events, individuals, developments, and processes in six historical periods from approximately 8000 B.C.E. to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course provides five themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures.

Grade 11-12

Prerequisite: None

SOCIAL STUDIES Continued . . .

• Blocked Course •

21063100/21023350

AMERICAN GOVERNMENT

This course provides students with the opportunity to acquire an understanding of the structure, functions, and purposes of American government and political behavior. Content includes 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. Students will better understand their role as a citizen in our democracy through engagement in activities and discussions and research projects.

ECONOMICS

The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.

Grades 11-12

Prerequisite: None

• Blocked Course •

21063200/21023450

AMERICAN GOVERNMENT HONORS

The purpose of this course is to provide students with the opportunity to acquire a comprehensive understanding of American government and political behavior. The course includes in-depth study of the documents which shape our political traditions, the roles of the three branches of government on the local, state, and national level, the evolution of political parties and interest groups, rights and responsibilities of citizens in a democratic society, and civic participation.

ECONOMICS

The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.

Grade 12 only

Prerequisite: None

New Dimensions High School

Major Areas of Interest

As of July 1, 2010, students are no longer required to select a Major Area of Interest. MAI section has been removed from the electronic Personal Educational Planner (ePAP). Any MAI electives already chosen by students have been moved to the “Electives” section of their ePEPs. Students can access <https://www.floridastudentfinancialaidsg.org> for more information.

Career Exploration

Details on hundreds of careers are provided, including day-to-day tasks, the outlook for specific careers in Florida, salary information, and the level of education required. This information can be used to help students set initial career goals so they can begin planning their high school courses.

After exploring careers, students should create a four-year plan for high school using the given information. This plan will guide them in choosing all required courses and allow students to plan electives related to their career and long term goals after high school. For more information , students can access <https://www.floridastudentfinancialaidsg.org>.

State University System Admission Requirements

Students who are planning for state university system admission requirements, must plan:

- At least 2 foreign language electives
- At least 3 academic electives

Students who are planning for Gold Seal Vocational Bright Futures Scholarship must plan:

- At least 3 career tech electives

CERTIFICATES AND DEGREES

- **VOCATIONAL CERTIFICATES** are earned by spending from six months to two years at a vocational school or community college concentrating on very specific vocational skills in preparation for employment.
- **ASSOCIATE'S DEGREES** are two year degrees. There are two types of Associate's Degrees:
 1. The A.A. (Associate in Arts Degree) is equivalent to the freshman and sophomore courses at a college or university. It is not intended to prepare students for entry into a particular degree, but to prepare them for transfer into further study.
 2. The A.S. (Associate in Science Degree) offers a high concentration of courses and hands-on experience in the student's chosen field. It prepares the student for immediate entry into employment in a career upon graduation.
- **BACHELOR'S DEGREE** (B.A., B.S., B.F.A.) are four year degrees with a major in a specific subject. A Bachelor's Degree may be earned at a college or a university.
- **UNDERGRADUATE DEGREES** are the two-year (Associate's) or four-year (Bachelor's) degrees.
- **MASTER'S DEGREES** (M.A., M.S., M.F.A.) One or two years of study in a specific subject after completion of the Bachelor's Degree.
- **DOCTORAL DEGREES** (Ph.D., Ed.D., J.D., M.D.) Three or four years of study in a very specific subject after completion of a Bachelor's and/or Master's Degree.
- **GRADUATE DEGREES** are any degrees earned beyond the Bachelor's Degree.

POST-SECONDARY OPTIONS

COLLEGE is an institution at which students study toward two or four year undergraduate degrees after completion of secondary school.

COMMUNITY COLLEGE is a two-year public college funded by the city or state. It offers transfer and terminal career programs leading to the Associate Degree. Community Colleges generally offer Open Admissions.

UNIVERSITY is an institution which offers graduate degrees in addition to two and four year degrees.

What is a Charter School?

Independent Public Education - Charter Schools

Charter schools are public schools of choice. They are very popular –and among the fastest growing school choice options in Florida. Charter schools are largely free to innovate, and often provide more effective programs and choice to underserved groups of students.

Since 1996, charter schools have grown from 5 in Florida to over 300 charter schools in 2004-2005. The enrollment for 2004-2005 is well over 80,000 students. Across the nation, over 800,000 students attend over 3,000 charter schools.

Florida is home to the first Charter School-in-the-Workplace, the first Charter High School in a Community College, and the first Municipal Charter School.

Charter schools are, by definition, flexible and have freedom to set their own rules on such issues as curriculum, teaching style, personnel, and discipline. Operated by parents, teachers, administrators and concerned citizens, a charter school can offer a student-directed learning environment or alternative programs that meet the needs of students.

Funding for charter schools comes from the state, with a portion of the money allotted per student by the Florida Legislature, by district. This is called the FTE, or the Full Time Equivalent. Students must fulfill state requirements and pass statewide exams; however, charter schools offer students higher standards and a more “hands-on” environment for teaching and learning.

Under *No Child Left Behind*, to promote and encourage more parental options through charter schools, children who attend schools identified as needing improvement have the opportunity to enroll in charter schools located within their district. These districts will be required to use federal funding to provide meaningful choices as well as to provide transportation to the new school’s families choose.

For helpful links on the Florida Department of Education web site please visit: <http://www.fldoe.org>

