

Osceola High School

2013-2014

Curriculum Guide



- **Home of the Distinguished “Double A” Scholar’s Program**
- **4X4 Block Scheduling**
- **Academy of Health and Medical Sciences**
- **Academy of Communication and Multi-Media Technology**
- **Visit our website at:**

WWW.OHS.OSCEOLA.K12.FL.US

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REGISTRATION INSTRUCTIONS

As a student enrolled in Osceola High School, you are given the opportunity to select course work for the following year. It is important that you **involve your parents** in course selection, that you make certain you have taken the proper prerequisites, and that you keep graduation requirements, career objectives and college entrance requirements in mind. As a part of this process students will be given on their course selection sheet recommendations based on prior classes taken, and performance on prior testing. These ACRs (Automated Course Requests) will be the students default schedule, changes to these recommendations can be considered with cooperation of your parents, teachers, and guidance staff.

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.
3. **TALK** to your parents, teachers and counselor about course selection and appropriate academic levels.
4. **SELECT** courses that will correspond to or complement your goals for the future.

COURSE SELECTIONS REPRESENT A COMMITMENT ON THE PART OF THE STUDENT AND PARENT TO COMPLETE THE SCHEDULE OF CLASSES CHOSEN. REQUEST FOR CHANGES CAN ONLY BE HONORED FOR THE FOLLOWING REASONS:

- A. Scheduling error (request Algebra 1 and receive Algebra 2)
- B. Failure to complete a prerequisite or requirement
- C. Omitted graduation or college requirement
- D. Special program requiring unique schedule
- E. Summer school course completion

The administration reserves the right to make necessary changes based on class size and teacher load. Students who perform below grade level on the FCAT may be placed in courses designed to remediate deficiencies in math or reading.

STUDENTS ENTERING GRADE NINE IN 2010-2011 SCHOOL YEAR

Graduation Requirements			
Subject Area	24 Credit Program	Three Year, 18 Credit College Preparatory Program	Three Year, 18 Credit Career Preparatory Program
English	4 credits with major concentration in composition, reading for information, and literature	4 credits with major concentration in composition and literature	4 credits with major concentration in composition and literature
Mathematics	4 credits, one of which must be Algebra 1 or its equivalent and one of which must be Geometry or its equivalent	4 credits, one of which must be Algebra 1 or its equivalent or a higher-level mathematics course from the list of courses that qualify for state university system (SUS) admission, and one of which must be Geometry or its equivalent	4 credits, one of which must be Algebra 1 or its equivalent and one of which must be Geometry or its equivalent
Science	3 credits in science, two of which must have a laboratory component	3 credits in science, two of which must have a laboratory component	3 credits in science, two of which must have a laboratory component
Social Studies	1 credit World History 1 credit U.S. History .5 credit U.S. Government .5 credit Economics	1 credit World History 1 credit U.S. History .5 credit U.S. Government .5 credit Economics	1 credit World History 1 credit U.S. History .5 credit U.S. Government .5 credit Economics
World Languages	Not required for high school graduation; but required for admission into state universities	2 credits in the same language or demonstrated proficiency in a second language	Not Required
Fine Arts and Performing Arts, Speech and Debate, or Practical Arts	1 credit in Fine or Performing Arts, Speech and Debate, or Practical Arts (eligible courses specified in Course Code Directory)	Not Required	Not Required
Physical Education	1 credit in Physical Education to include the integration of Health	Not Required	Not Required
Electives	8 credits	2 credits	3 credits in single vocational/career education program and 1 elective credit <i>or</i> 3 credits in single career/technical certificate dual enrollment and 1 elective credit <i>or</i> 4 credits in vocational/career education (including 3 credits in one sequential career and technical education program) – pending legislative action*
Total	24 credits	18 credits	18 credits
Grade Point Average (GPA) Requirements	Cumulative GPA of 2.0 on a 4.0 scale	Cumulative GPA of 3.5 on a 4.0 scale in required courses and a weighted or unweighted grade that earns at least 3.0 points or its equivalent in each of the 18 required credits	Cumulative weighted GPA of 3.0 on a 4.0 scale in the required courses and a weighted or unweighted grade that earns at least 2.0 points or its equivalent in each of the 18 required credits
State Assessment Requirements	<ul style="list-style-type: none">• Passing scores on the Grade 10 FCAT 2.0 Reading or scores on a standardized test that is concordant with passing scores on the FCAT (ACT or SAT)• Algebra 1 EOC Assessment is required and the results will count as 30 percent of the final course grade, if enrolled.• The final grade for U.S. History or U.S. History Honors must include a minimum 30 percent of the U.S. History EOC Assessment.		
Special Notes			
<ul style="list-style-type: none">• All courses earned toward the three-year, 18-credit college preparatory program must satisfy admission requirements for the State University System. To determine which courses meet State University System admission requirements, please use the Comprehensive Course Table. At least 6 of the 18 credits must be completed in courses that include dual enrollment, AP, IB, AICE, or are specifically listed as rigorous by the Florida Department of Education.			

STUDENTS ENTERING GRADE NINE IN 2011-2012 SCHOOL YEAR

Graduation Requirements			
Subject Area	24-Credit Program	Three-Year, 18-Credit College Preparatory Program	Three-Year, 18-Credit Career Preparatory Program
English	4 credits with major concentration in composition, reading for information, and literature	4 credits with major concentration in composition and literature	4 credits with major concentration in composition and literature
Mathematics	4 credits, one of which must be Algebra 1 or its equivalent and one of which must be Geometry or its equivalent	4 credits, one of which must be Algebra 1 or its equivalent or a higher-level mathematics course from the list of courses that qualify for state university system (SUS) admission, and one of which must be Geometry or its equivalent	4 credits, one of which must be Algebra 1 or its equivalent and one of which must be Geometry or its equivalent
Science	3 credits in science, two of which must have a laboratory component and one of which must be Biology 1 or an equivalent course or a series of courses	3 credits in science, two of which must have a laboratory component and one of which must be Biology 1 or an equivalent course or a series of courses	3 credits in science, two of which must have a laboratory component and one of which must be Biology 1 or an equivalent course or a series of courses
Social Studies	1 credit World History 1 credit U.S. History .5 credit U.S. Government .5 credit Economics	1 credit World History 1 credit U.S. History .5 credit U.S. Government .5 credit Economics	1 credit World History 1 credit U.S. History .5 credit U.S. Government .5 credit Economics
World Languages	Not required for high school graduation; but required for admission into state universities	2 credits in the same language or demonstrated proficiency in a second language	Not Required
Fine Arts and Performing Arts, Speech and Debate, or Practical Arts	1 credit in Fine or Performing Arts, Speech and Debate, or Practical Arts (eligible courses specified in Course Code Directory)	Not Required	Not Required
Physical Education	1 credit in Physical Education to include the integration of Health	Not Required	Not Required
Electives	8 credits	2 credits	3 credits in single vocational/career education program and 1 elective credit <i>or</i> 3 credits in single career/technical certificate dual enrollment and 1 elective credit <i>or</i> 4 credits in vocational/career education (including 3 credits in one sequential career and technical education program) – pending legislative action*
Total	24 credits	18 credits	18 credits
Grade Point Average (GPA) Requirements	Cumulative GPA of 2.0 on a 4.0 scale	Cumulative GPA of 3.5 on a 4.0 scale in required courses and a weighted or unweighted grade that earns at least 3.0 points or its equivalent in each of the 18 required credits	Cumulative weighted GPA of 3.0 on a 4.0 scale in the required courses and a weighted or unweighted grade that earns at least 2.0 points or its equivalent in each of the 18 required credits
State Assessment Requirements	<ul style="list-style-type: none">Students must earn passing scores on the Grade 10 FCAT 2.0 Reading (or scores that are concordant with the passing scores on the Grade 10 FCAT 2.0 Reading)Students must earn a passing score or attain an equivalent score on the Algebra 1 EOC Assessment in order to earn course credit.Geometry and Biology 1 EOC Assessment is required and the results will constitute 30 percent of the student's final course grade, if enrolled.The final grade for U.S. History or U.S. History Honors must include a minimum 30 percent of the U.S. History EOC Assessment.		
Special Notes <ul style="list-style-type: none">All courses earned toward the three-year, 18-credit college preparatory program must satisfy admission requirements for the State University System. To determine which courses meet State University System admission requirements, please use the Comprehensive Course Table. At least 6 of the 18 credits must be completed in courses that include dual enrollment, AP, IB, AICE, or are specifically listed as rigorous by the Florida Department of Education.At least one course within the 24-credit program must be completed through online learning.			

STUDENTS ENTERING GRADE NINE IN 2012-2013 SCHOOL YEAR

Graduation Requirements			
Subject Area	24-Credit Program	Three-Year, 18-Credit College Preparatory Program	Three-Year, 18-Credit Career Preparatory Program
English	4 credits with major concentration in composition, reading for information, and literature	4 credits with major concentration in composition and literature	4 credits with major concentration in composition and literature
Mathematics	4 credits, one of which must be Algebra 1 or its equivalent, one of which must be Geometry or its equivalent, and one of which must be Algebra 2 or a series of courses equivalent to Algebra 2	4 credits, one of which must be Algebra 1 or its equivalent or a higher-level mathematics course from the list of courses that qualify for state university system (SUS) admission, one of which must be Geometry or its equivalent, and one of which must be Algebra 2 or a series of courses equivalent to Algebra 2 or a higher-level mathematics course	4 credits, one of which must be Algebra 1 or its equivalent, one of which must be Geometry or its equivalent, and one of which must be Algebra 2 or a series of courses equivalent to Algebra 2
Science	3 credits in science, two of which must have a laboratory component and one of which must be Biology 1 or an equivalent course or a series of courses	3 credits in science, two of which must have a laboratory component and one of which must be Biology 1 or an equivalent course or a series of courses	3 credits in science, two of which must have a laboratory component and one of which must be Biology 1 or an equivalent course or a series of courses
Social Studies	1 credit World History 1 credit U.S. History .5 credit U.S. Government .5 credit Economics	1 credit World History 1 credit U.S. History .5 credit U.S. Government .5 credit Economics	1 credit World History 1 credit U.S. History .5 credit U.S. Government .5 credit Economics
World Languages	Not required for high school graduation; but required for admission into state universities	2 credits in the same language or demonstrated proficiency in a second language	Not Required
Fine Arts and Performing Arts, Speech and Debate, or Practical Arts	1 credit in Fine or Performing Arts, Speech and Debate, or Practical Arts (eligible courses specified in Course Code Directory)	Not Required	Not Required
Physical Education	1 credit in Physical Education to include the integration of Health	Not Required	Not Required
Electives	8 credits	2 credits in electives	3 credits in single vocational/career education program and 1 elective credit <i>or</i> 3 credits in single career/technical certificate dual enrollment and 1 elective credit <i>or</i> 4 credits in vocational/career education (including 3 credits in one sequential career and technical education program) – pending legislative action
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State Assessment Requirements	<ul style="list-style-type: none">Students must earn passing scores on the Grade 10 FCAT 2.0 Reading (or scores that are concordant with the passing scores on the Grade 10 FCAT 2.0 Reading).Students must earn a passing score or attain an equivalent score on the Algebra 1, Geometry, and Biology 1 EOC Assessment in order to earn course credit.The final grade for U.S. History or U.S. History Honors must include a minimum 30 percent of the U.S. History EOC Assessment.		
Special Notes			
<ul style="list-style-type: none">All courses earned toward the three-year, 18-credit college preparatory program must satisfy admission requirements for the State University System. To determine which courses meet State University System admission requirements, please use the Comprehensive Course Table. At least 6 of the 18 credits must be completed in courses that include dual enrollment, AP, IB, AICE, or are specifically listed as rigorous by the Florida Department of Education.At least one course within the 24-credit program must be completed through online learning.			

STUDENTS ENTERING GRADE NINE IN 2013-2014 SCHOOL YEAR

Graduation Requirements			
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Mathematics	4 credits, one of which must be Algebra 1 or its equivalent, one of which must be Geometry or its equivalent, and one of which must be Algebra 2 or a series of courses equivalent to Algebra 2	4 credits, one of which must be Algebra 1 or its equivalent or a higher-level mathematics course from the list of courses that qualify for state university system (SUS) admission, one of which must be Geometry or its equivalent, and one of which must be Algebra 2 or a series of courses equivalent to Algebra 2 or a higher-level mathematics course	4 credits, one of which must be Algebra 1 or its equivalent, one of which must be Geometry or its equivalent, and one of which must be Algebra 2 or a series of courses equivalent to Algebra 2
Science	1 credit Biology 1 or an equivalent course or a series of courses 1 credit in chemistry or physics or a series of courses equivalent to chemistry or physics 1 credit in a science course equally rigorous to biology, chemistry and physics (two credits must have a laboratory component)	1 credit Biology 1 or an equivalent course or a series of courses 1 credit in chemistry or physics or a series of courses equivalent to chemistry or physics 1 credit in a science course equally rigorous to biology, chemistry and physics (two credits must have a laboratory component)	1 credit Biology 1 or an equivalent course or a series of courses 1 credit in chemistry or physics or a series of courses equivalent to chemistry or physics 1 credit in a science course equally rigorous to biology, chemistry and physics (two credits must have a laboratory component)
Social Studies	1 credit World History 1 credit U.S. History .5 credit U.S. Government .5 credit Economics	1 credit World History 1 credit U.S. History .5 credit U.S. Government .5 credit Economics	1 credit World History 1 credit U.S. History .5 credit U.S. Government .5 credit Economics
World Languages	Not required for high school graduation; but required for admission into state universities	2 credits in the same language or demonstrated proficiency in a second language	Not Required
Visual and Performing Arts, Speech and Debate, or Practical Arts	1 credit in Fine or Performing Arts, Speech and Debate, or Practical Arts (eligible courses specified in Course Code Directory)	Not Required	Not Required
Physical Education	1 credit in Physical Education to include the integration of Health	Not Required	Not Required
Electives	8 credits	2 credits	3 credits in single vocational/career education program and 1 elective credit <i>or</i> 3 credits in single career/technical certificate dual enrollment and 1 elective credit <i>or</i> 4 credits in vocational/career education (including 3 credits in one sequential career and technical education program) – pending legislative action
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Special Notes <ul style="list-style-type: none">All courses earned toward the three-year, 18-credit college preparatory program must satisfy admission requirements for the State University System. To determine which courses meet State University System admission requirements, please use the Comprehensive Course Table. At least 6 of the 18 credits must be completed in courses that include dual enrollment, AP, IB, AICE, or are specifically listed as rigorous by the Florida Department of Education. At least one course within the 24-credit program must be completed through online learning.			

The AA Scholars Program

The AA Scholars Program is a course of study that allows a student to earn up to 2 years of college credit on the high school campus. The curriculum is a rigorous 4 year plan made up of honors, Advanced Placement and Dual Enrollment courses which meet graduation requirements for Osceola High School and Associate of Arts Degree requirements for Valencia College.

The AA Program Offers:

- A balanced, comprehensive educational plan
- Rigorous, competitive coursework in all major academic areas
- A flexible choice of courses to meet individual needs
- The opportunity to earn an Associate of Arts Degree while in High School
- Scholarship opportunities , including Bright Futures
- Monetary savings on college expenses (possible savings of \$15,000-\$30,000)



How it Works

Students take a carefully planned curriculum which can meet the requirements of both Osceola High School and Valencia Community College. Students who earn 60 credit hours in specific areas often qualify for an AA degree. There is no charge for Valencia Courses, and books are provided. All of this is available while still in high school and without missing the high school experience.

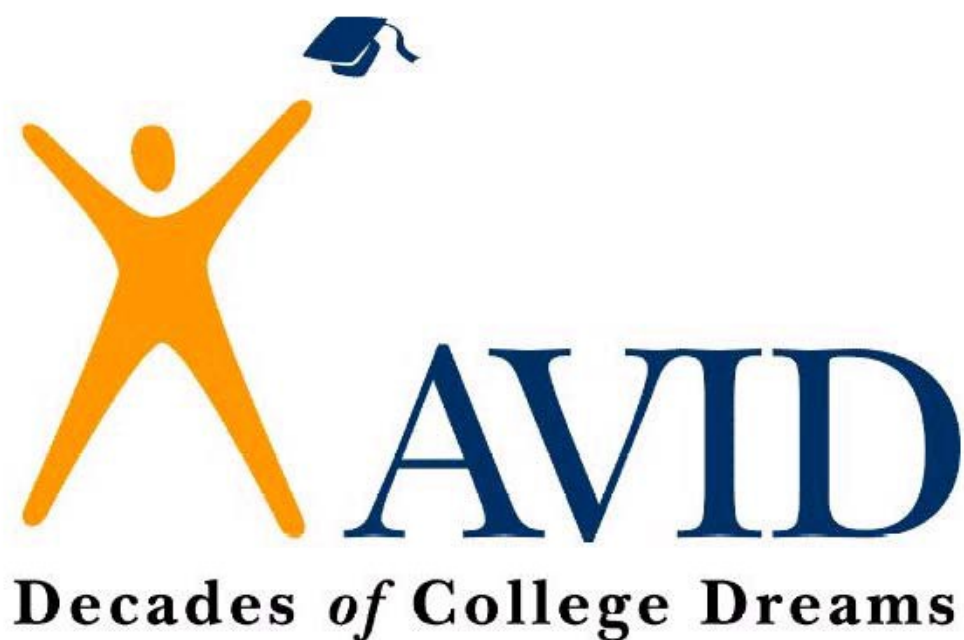
Who is Eligible?

Students who are academically inclined, are dedicated and committed to pursuing an honors curriculum which includes college level courses. Students must have a minimum 3.0 unweighted grade point average and earn qualifying scores on the Postsecondary Education Readiness Test (PERT), the ACT, or The SAT. There are very specific requirements and deadlines that must be met in order to be accepted by Valencia College. If you are interested in Dual Enrollment please speak with your guidance counselor so they can assist you in the planning and make sure that you take the appropriate courses to prepare you for the program. The OHS guidance staff recommends that any student interested in Dual Enrollment should plan to take the ACT or SAT during the spring semester of Sophomore year. When signing up for the SAT or ACT be sure to request that an official score report be sent to Valencia College. In order to take full advantage of the program very careful planning of courses must be maintained throughout all 4 years of high school so, communication with your guidance counselor is of the utmost importance.

AVID

ADVANCEMENT VIA INDIVIDUAL DETERMINATION

Advancement Via Individual Determination (AVID) is a program designed to prepare students in the academic middle for four-year college. The AVID curriculum, based on rigorous standards, was developed by middle and senior high school teachers in collaboration with college professors. It is driven by the WICR method, which stands for writing, inquiry, collaboration, and reading. AVID targets students in the academic middle — B, C, and even D students — who have the desire to go to college and the willingness to work hard. These are students who are capable of completing rigorous curriculum but are falling short of their potential. Typically, they will be the first in their families to attend college, and many are from low-income or minority families. AVID pulls these students out of their unchallenging courses and puts them on the college track: acceleration instead of remediation.



**GENERAL INFORMATION**

The Florida Bright Futures Scholarship Program is a lottery-funded scholarship to reward any Florida high school graduate who merits recognition of high academic achievement. The Bright Future Scholarship Program is the umbrella program for all state-funded scholarships based on academic achievement in high school.

SCHOLARSHIPS:

There are varying combinations of GPA, college ready test scores (ie: ACT/SAT), course requirements, and community service needed to qualify for scholarships. Visit: <http://www.floridastudentfinancialaid.org/ssfad/bf/> for more information and specific qualifications for each Bright Futures award.

Florida Academic Scholars Award

Florida Merit Scholars Award

Florida Gold Seal Scholarship

There have been many recent changes to the Bright Futures Program. OHS administration recommends that you keep current by frequently checking the Florida Bright Futures Scholarship Program website listed above and using the resources provided by the Career Specialist in the guidance office.

Advanced Placement Courses

Advanced Placement (AP) courses are recommended for outstanding students. These courses are very challenging and are taught on a college level. There are extensive outside assignments and reading involved in these courses. At the end of the course a standardized exam is taken on a national test day for each course. Students who earn a 3 or better on the test can earn college credit for the course. Each college has a unique acceptance policy for AP credits so it is strongly recommended that you review the policy for the college you wish to attend. Below is recommended course of study prepared by the county curriculum department.

AP Recommended Course of Study

	English	Math	Science	Social Studies	Fine/Performing Art & Physical Education	Elective	Elective
Grade 9	English 1 Honors	*Geometry Honors	*Biology Honors	AP Human Geography	HOPE	Foreign Language I	Elective
Grade 10	English 2 Honors	Algebra II Honors	Chemistry Honors or Physics Honors	AP World History	Performing or Practical Art **AP European History	Foreign Language II	Elective
Grade 11	AP English Language	Pre-calculus Honors	Chemistry Honors, Physics Honors or AP Science: Chemistry, Physics, Biology or Environmental Science	AP U.S. History	**AP Psychology, AP European History or AP Statistics	**Physics Honors or Foreign Language III	Elective
Grade 12	AP English Literature	AP Calculus	AP Science: Chemistry, Physics, Biology or Environmental Science	AP U.S. Government / AP Macro or Micro Economics	**AP Psychology, AP European History or AP Statistics	AP Foreign Language	Elective

*Assumes student successfully completed Algebra 1 Honors and Physical Science Honors in middle school.

**Final course selection in the junior and senior years will be determined by student interest and future goals; course offering may vary at individual high schools



Secondary Curriculum and Instruction

Environmental Water Technology

Osceola High School is pleased to announce our intention to start a new program in Environmental Water Technology. In this program students will learn about all aspects of water resource management topics including:

- Water Resource Management
- Application of Safety Procedures
- Water Sampling
- Wetland Management
- Reclamation Treatment Techniques
- Solid Waste Disposal
- Storm Water Management
- Hazardous Material Storage
- Government Water Technology Regulations



Medical Equipment Repair

Beginning in the 2013-14 school year Osceola High anticipates offering a new career and technical program in the repair and maintenance of medical equipment. According to the Bureau of Labor Statistics the job growth outlook for the next 10 years predicts much faster growth in this area than the average job, which makes this field a very in demand area of study. The median pay for a medical equipment repair person was \$45,000 with a Associates Degree making this field a very desirable career path.





The maintenance of medical records is becoming ever more important and is in very high demand which is why Osceola High School is anticipating in starting a new program in maintenance of medical record and medical billing. The program is expected to begin in the fall of 2013, if you are interested please see your counselor about signing up for this new program at OHS!

Medical Coding and Billing

Career Pathways



CAREER PATHWAYS

In the Osceola School District, Career Pathways is designed to provide students a seamless pathway from middle school, through high school, and into postsecondary education. Postsecondary 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

Osceola 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 work-place 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 Osceola High School, contact the Academy's CTE teacher to apply for the Academy and to help you enroll in the appropriate courses.

CAREER PATHWAYS – HEALTH AND MEDICAL SCIENCE**MEDICAL SKILLS & SERVICES**

Course Number: 84003200

For Grade: 9-10

Credit: 1.0

Prerequisites: None

Industry Certification – None

MAJOR CONCEPTS/CONTENT: This course provides students with practical generic competencies related to health decisions all individuals must make during their lifetime. The content includes information designed to teach the student to select a physician, to select types of medical insurance, to use safety in carrying out medical instructions, recognize basic health related diagnostic procedures, and recognize the legal aspects of the health consumer. HOSA (Health Occupations Students of America), the vocational student leadership organization, is an integral part of the program.

HEALTH SCIENCE 1

Course Number: 84171000

For Grade: 10-11

Credit: 1.0

Prerequisites: None

Industry Certification – None

MAJOR CONCEPTS/CONTENT: This course provides in-depth instruction in anatomy and physiology with added emphasis on pathology. HOSA (Health Occupations Students of America), the vocational student leadership organization, is an integral part of the program.

HEALTH SCIENCE 2

Course Number: 84171100

For Grade: 11-12

Credit: 1.0

Prerequisites: Health Science I or Anatomy and Physiology

Industry Certification – None

MAJOR CONCEPTS/CONTENT: This course covers the core of competencies that have been identified as essential to all health career occupations. HOSA (Health Occupations Students of America), the vocational student leadership organization, is an integral part of the program.

NURSING ASSISTANT 3

Course Number: 84172110

For Grade: 12

Credit: 1.0

Prerequisites: Health Science 1 & 2

Industry Certification – Certified Nursing Assistant

MAJOR CONCEPTS/CONTENT: The program is designed to prepare students for employment as nursing assistants in nursing homes. HOSA (Health Occupations Students of America), the vocational student leadership organization, is an integral part of the program.

CAREER PATHWAYS – CULLINARY ARTS

CULINARY ARTS 1

Course Number 8800510

For Grade 9-10

Credit 1.0

Prerequisites None

INDUSTRY CERTIFICATION – National Prostart Certificate of Achievement or IFSEA Certified Food Manager

MAJOR CONCEPTS/CONTENT: This is the first course of the Culinary Operations program which prepares students for initial entry into the food service industry. Course content includes history of the food industry, careers and job opportunities, basic skills, personal productivity, safe, secure and sanitary work procedures, using recipes, use and care for commercial tools and equipment, nutrition, front-of-the-house and back-of-the-house duties, and food and beverage preparation. Successful completion of this course earns the student Occupational Completion Point A.

CULINARY ARTS 2 (meets Fine Arts graduation requirement)

Course Number 8800520

For Grade 10-12

Credit 1.0

Prerequisites Culinary Arts 1

INDUSTRY CERTIFICATION - National Prostart Certificate of Achievement or IFSEA Certified Food Manager

MAJOR CONCEPTS/CONTENT: This is the second course of the Culinary Operations job prep program. Course content includes the same topics as in the first course, but study will be in more depth. Learning activities are provided in a laboratory setting using hands-on experience with tools, equipment, and materials appropriate to the program content and in accordance with current practices in the trade. Students will demonstrate safe, sanitary work procedures; understand food science principles related to cooking and baking; and utilize nutrition concepts when planning meals/menus. Successful completion of Culinary Arts1 and 2 earns the student Occupational Completion Point B.

CAREER PATHWAYS – CULLINARY ARTS**CULINARY ARTS 3** (meets Fine Arts graduation requirement)

Course Number 8800530

For Grade 10-12

Credit 1.0

Prerequisites Culinary Arts 1 and 2 or simultaneously with 2

INDUSTRY CERTIFICATION - National Prostart Certificate of Achievement or IFSEA Certified Food Manager

MAJOR CONCEPTS/CONTENT: This is the third course of the Culinary Operations core. Course content is expanded from the first two courses to include more hands-on food preparation and serving customers in a simulated catering business and/or school restaurant. Students will prepare and present a variety of advanced food products; create centerpieces; and research laws specific to the hospitality industry (including handling of alcohol). Also covered are management skills; how to develop a business plan; and utilization of technology in the workplace. Students will be knowledgeable about food safety manager training/certification training programs that are acceptable in Florida. Successful completion of Culinary Arts 1, 2, and 3 earns the student Occupational Completion Point C.

CULINARY ARTS 4 (meets Fine Arts graduation requirement)

Course Number 8800540

For Grade 11-12

Credit 1.0

Prerequisites Culinary Arts 1,2 and 3

INDUSTRY CERTIFICATION - National Prostart Certificate of Achievement or IFSEA Certified Food Manager

MAJOR CONCEPTS/CONTENT: In this course students will prepare various meals and food products including those for individuals with various nutritional needs and/or dietary restrictions. The relationship between nutrition and wellness will be examined. Cost control techniques and profitability will be covered as well as analysis of food establishment menus. Students will also demonstrate basic financial literacy & communication skills, scientific principles in cooking and baking, time, energy, and resource management, and preparing and presenting food products meeting quality standards.

CULINARY ARTS 4 – HONORS (meets Fine Arts graduation requirement)

Course Number 8800540H

For Grade 11-12

Credit 1.0

Prerequisites Culinary Arts 1,2 and 3

INDUSTRY CERTIFICATION - National Prostart Certificate of Achievement or IFSEA Certified Food Manager

MAJOR CONCEPTS/CONTENT: When a student has achieved Culinary OCP-C he may move to the next level which includes more "management" type concepts. In this course students will prepare various meals and food products including those for individuals with various nutritional needs and/or dietary restrictions. The relationship between nutrition and wellness will be examined. Cost control techniques and profitability will be covered as well as analysis of food establishment menus. Students will also demonstrate basic financial literacy skills, communication skills, math skills, scientific principles in cooking and baking, time, energy, and resource management, and preparing and presenting food products meeting quality standards. Students will complete an end of course Capstone project

CAREER PATHWAYS – DIGITAL VIDEO

DIGITAL VIDEO PRODUCTION 1 (meets Fine Arts graduation requirement)

Course Number 87724100

For Grade 9

Credit 1.0

Prerequisites None

Industry Certification – Adobe Software packages and Final Cut Pro

MAJOR CONCEPTS/CONTENT: The purpose of this program is to prepare students for initial employment as production assistants, audio/video equipment technician, video/TV camera operators, video editors, multi-media artists/animators and broadcast technicians.

DIGITAL VIDEO PRODUCTION 2 (meets Fine Arts graduation requirement)

Course Number 87724200

For Grade 10

Credit 1.0

Prerequisites Digital Video Production 1

Industry Certification – Adobe Software packages and Final Cut Pro

MAJOR CONCEPTS/CONTENT: The purpose of this program is to prepare students for initial employment as production assistants, audio/video equipment technician, video/TV camera operators, video editors, multi-media artists/animators and broadcast technicians.

DIGITAL VIDEO PRODUCTION 3 (meets Fine Arts graduation requirement)

Course Number 87724300

For Grade 10-11

Credit 1.0

Prerequisites Digital Video Production 2

Industry Certification – Adobe Software packages and Final Cut Pro

MAJOR CONCEPTS/CONTENT: The purpose of this program is to prepare students for initial employment as production assistants, audio/video equipment technician, video/TV camera operators, video editors, multi-media artists/animators and broadcast technicians.

DIGITAL VIDEO PRODUCTION 4 (meets Fine Arts graduation requirement)

Course Number 87724400

For Grade 11-12

Credit 1.0

Prerequisites Digital Video Production 3

Industry Certification – Adobe Software packages and Final Cut Pro

MAJOR CONCEPTS/CONTENT: The purpose of this program is to prepare students for initial employment as production assistants, audio/video equipment technician, video/TV camera operators, video editors, multi-media artists/animators and broadcast technicians.

DIGITAL VIDEO PRODUCTION 5 (meets Fine Arts graduation requirement)

Course Number 87724500

For Grade 12

Credit 1.0

Prerequisites Digital Video Production 4

Industry Certification – Adobe Software packages and Final Cut Pro

MAJOR CONCEPTS/CONTENT: The purpose of this program is to prepare students for initial employment as production assistants, audio/video equipment technician, video/TV camera operators, video editors, multi-media artists/animators and broadcast technicians.

CAREER PATHWAYS – TV PRODUCTION AND DIGITAL DESIGN**INTRODUCTION TO INFORMATION TECHNOLOGY**

Course Number 8207310

For Grade 9-11

Credit 1.0

Prerequisite None

Industry Certification – Microsoft Office Suite / 3I

MAJOR CONCEPTS/CONTENT: This course is designed to provide an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHTML, and XML web commands and design; and emerging technologies and web page design.

DIGITAL DESIGN 1 (meets Fine Arts graduation requirement)

Course Number 82095100

For Grade 9-12

Credit 1.0

Prerequisite/Co-Requisite Computing for College and Careers (CCC)

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

MAJOR CONCEPTS/CONTENT: This course emphasizes digital publishing concepts and operations to include layout, design, measurement, decision making, and digital imaging.

DIGITAL DESIGN 2 (meets Fine Arts graduation requirement)

Course Number 82095200

For Grade 10-12

Credit 1.0

Prerequisite Digital Design 1

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

MAJOR CONCEPTS/CONTENT: This course builds upon digital publishing principles learned in Digital Design 1 and introduces students to higher level applications.

DIGITAL DESIGN 3 (meets Fine Arts graduation requirement)

Course Number 82095300

For Grade 11-12

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.

DIGITAL DESIGN 4 (meets Fine Arts graduation requirement)

Course Number 82095400

For Grade 11-12

Credit 1.0

Prerequisite Digital Design 3

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

MAJOR CONCEPTS/CONTENT: This course is designed to develop advanced industry-standard skills required for careers in the digital publishing industry. It includes the use of a variety of software and equipment, including digital video cameras and video/audio editing software.

CAREER PATHWAYS – ENGINEERING

All classes in the engineering program are honors level.

INTRODUCTION TO ENGINEERING DESIGN (meets Fine Arts graduation requirement)

Course Number 86005500

For Grades 9 - 12

Prerequisites None

Credit 1.0

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.

PRINCIPLES OF ENGINEERING (meets Fine Arts graduation requirement)

Course Number 86005200

For Grades 9- 12

Prerequisites None

Credit 1.0

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 (meets Fine Arts graduation requirement)

Course Number 86005300

For Grades 10 - 12

Prerequisites None

Credit 1.0

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.

CIVIL ENGINEERING AND ARCHITECTURE (meets Fine Arts graduation requirement)

Course Number 86005900

For Grades 10 - 12

Prerequisites IED, POE and DE

Credit 1.0

MAJOR CONCEPTS/CONTENT: This course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. This course covers topics such as the Roles of Civil Engineers and Architects, Project Planning, Site Planning, Building Design, and Project Documentation and Presentation.

AEROSPACE ENGINEERING (meets Fine Arts graduation requirement)

Course Number 86006200

For Grades 10 - 12

Prerequisites IED, POE and DE

Credit 1.0

MAJOR CONCEPTS/CONTENT: This course will introduce students to the world of aeronautics, flight, and engineering.

ENGINEERING DESIGN AND DEVELOPMENT (meets Fine Arts graduation requirement)

Course Number 86006500

For Grades 11 - 12

Prerequisites IED, POE and DE

Credit 1.0

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

LANGUAGE ARTS**1001310****ENGLISH 1**

The purpose of this course is to provide students with instruction in English language skills, including writing, speaking, and listening, in addition to reading and analyzing various literary selections.

Grade 9

10013401**ENGLISH 2**

This course provides 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, speaking and writing.

Grade 10

10013701**ENGLISH 3**

This course includes the frequent writing of papers, especially those which require reference and summarizing skills. American literature is studied through the analysis of various genre, and instruction in listening, speaking, reading, writing and grammar are included. In addition, the Junior Focus — a career-specific project which combines a research paper, job-shadowing, a portfolio, and an oral presentation — is required.

Grade 11

10014001**ENGLISH 4**

The purpose of this course is to provide students with instruction in language skills through the study of British literature. Course content includes vocabulary building, literary analysis, public speaking, and listening skills. All aspects of the writing process are applied in frequent writing in real-life situations.

Grade 12

English 1 through 4 are all available in an Honors version. Placement is made in those classes based on standardized test scores and past performance. Honors classes are taught at an advanced level and students earn .5 weighted credit.

1004100**INTENSIVE READING**

The purpose of this course is to enable students to develop and strengthen reading skills. Learning tasks and materials accommodate the needs of students in an effort to increase student proficiency in reading.

Students will be placed in reading class if they score in Level 1 or 2 on the previous year FCAT 2.0 SSS Reading test. New students will take a screening upon enrollment.

LANGUAGE ARTS — CONTINUED**102081E1****WORLD LITERATURE AND COMPOSITION**

This course is a prerequisite to AP English/DE English (college level). This course includes literary analysis skills applied to the short story, play, poetry, and a combination of advanced writing skills and creative writing.

Grade 10

10001480**Advanced Communications**

This course provides 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, speaking and writing.

Grade 10

10014050**English 4: Florida College Readiness**

The purpose of this course is to provide students with instruction in language skills through the study of British literature. Course content includes vocabulary building, literary analysis, public speaking, and listening skills. All aspects of the writing process are applied in frequent writing in real-life situations.

This course will be required for all seniors who score less than 103 on the PERT reading test or less than 98 on the PERT writing test.

Grade 12

10014201**AP ENGLISH-LANGUAGE AND COMPOSITION**

The purpose of this course is to provide students with an understanding of the semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective writing. In addition the course prepares students for AP exams and exposes them to American Literature. Please note that outside reading is required. The course is also designed to provide students with a variety of writing opportunities calling for the use of different styles and tones. This is a college level class that demands high commitment. This class has a high level of vigorous work.

Grade 11

10014301**AP ENGLISH-LITERATURE & COMPOSITION**

The course prepares students to take the AP exams as well as preparing them to excel at college-level English. The course covers extensive study of ancient, Asian, classical, and modern literature. Literary analysis will be stressed and outside reading is required. This is a college level class that demands high commitment.

Grade 11 or 12

MATHEMATICS

All incoming 9th graders will be required to successfully complete Algebra 1 to graduate from OHS. Algebra end of course exam will be given at end of term. Passing this test is required to graduate.

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 sets, variables, real number systems, equations and inequalities, relations and functions, graphs, rational and irrational numbers, and radicals.

12003201**ALGEBRA 1 HONORS**

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 sets, variables, real number systems, equations and inequalities, relations and functions, graphs, rational and irrational numbers, and radicals, taught at the honors level

12063101**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, angles, triangles, similarity and congruence. Geometry end of course exam will be given at end of term. Passing will be required for credit.

12063201**GEOMETRY HONORS**

The purpose of this course is to provide a rigorous in-depth study of geometry, with emphasis on methods of proof and the formal language of mathematics. Course content includes the structure of geometry, angle concepts, triangles, quadrilaterals, proofs, similar polygons, circles and spheres, volume and transformational geometry.

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.

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, currency conversion, and levels of economic performance. There will be a reading and research component for this class.

MATHEMATICS — CONTINUED**12003301****ALGEBRA 2**

The purpose of this course is to provide students with a foundation for applying advanced skills to other mathematical and scientific fields. Course content includes linear and quadratic equations, factoring of polynomials, graphing, systems of equations, conics, rational/irrational and logarithmic functions.

12003401**ALGEBRA 2 HONORS**

The purpose of this course is to provide students with a foundation for applying advanced skills to other mathematical and scientific fields. Course content includes linear and quadratic equations, factoring of polynomials, graphing, systems of equations, conics, rational/irrational and logarithmic functions taught at the honors level.

12023401**PRE CALCULUS WITH TRIG**

This course prepares the student for AP Calculus. The student will identify the vectors in a plane and their relationships, perform operations on vectors, determine distances in a plane, solve systems of equations, study conic sections, identify and graph polynomial and rational functions, and use the polar coordinate system. The student will understand circular functions and their inverses, prove trigonometric identities, graph trig functions and inverses, solve problems involving trig equations and solve triangles.

12004000**INTENSIVE MATH**

This course provides remedial instruction and practice in mathematical skills and concepts. The course includes material tailored to the individual needs of the students and concentrates on test-taking skills and strategies.

12004101**MATH FOR COLLEGE SUCCESS**

Required for students who score less than 113 on the PERT , below 440 on the SAT Math, or below 19 on the 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. Performance on PERT will determine placement in this class

12007001**MATH FOR COLLEGE READINESS**

This course is designed for 12th grade students scoring between 113-122 on the Math section of the PERT, below 440-520 on the SAT Math, or between 19-22 on the ACT Math.

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. Performance on PERT will determine placement in this class

MATHEMATICS — DUAL ENROLLMENT OPTIONS**MAC1105****DE COLLEGE ALGEBRA**

Course is based on the study of functions and their role in problem solving. Topics include graphing, the linear, quadratic, and the exponential families of functions, and inverse functions. Students will be required to solve applied problems and communicate their findings effectively. Technology tools will be utilized in addition to analytical methods. Gordon Rule course. Minimum grade of C required if MAC 1105 is used to satisfy Gordon Rule and general education requirements.

MAC 1147**DE PRECALCULUS**

This course is preparation for the calculus sequence. Topics include a symbolical, graphical and numerical analysis of polynomial, exponential, logarithmic, power, rational and trigonometric functions; matrices; sequences induction; binomial theorem; conic sections and the polar coordinate system; trigonometric equations and inverse functions; solutions of plane triangles and vectors. Applications emphasizing connections with other disciplines and with the real world will be included. Technology tools will be utilized in addition to analytical methods. Gordon Rule course. Minimum grade of C required if MAC 1147 is used to satisfy Gordon Rule and general education requirements.

STA 2023**DE STATISTICAL METHODOLOGY**

Prerequisite: Minimum grade of C in MAC 1102 or MAC 1104 or MAC 1105 or satisfactory score on an approved assessment.

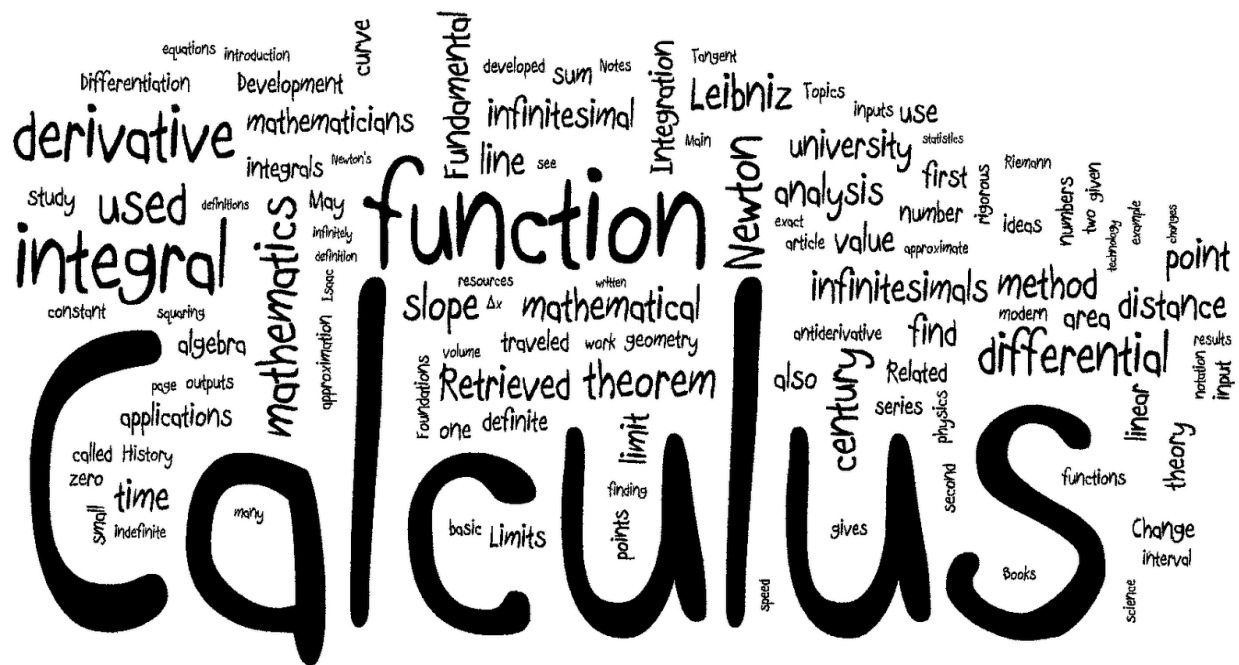
An introductory statistics course covering collection, description and interpretation of data. Topics include sampling, summarizing data graphically and numerically, probability distributions, confidence interval estimation, hypothesis testing, correlation and regression. Gordon Rule course. Minimum grade of C required if STA 2023 is used to satisfy Gordon Rule and general education requirements.

MAC2311**DE CALCULUS 1**

Topics include circle and parabola, limits and continuity, derivatives of algebraic and trigonometric forms, applications of derivatives, and definite and indefinite integrals. Gordon Rule course. Minimum grade of C required if MAC2311 is used to satisfy Gordon Rule and general education requirements.

MAC2312**DE CALCULUS 2**

Topics include differentiation and integration of exponential logarithmic transcendental functions, techniques of integration, indeterminate forms, conic sections, and infinite series. Gordon Rule course. Minimum grade of C required if MAC2312 is used to satisfy Gordon Rule and general education requirement



SCIENCE

All students who are enrolled in the following Biology courses are required to take the Biology End Of Course Exam.

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.

Grades 9-12

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.

Grades 9-12

20003401**AP BIOLOGY**

The purpose of this course is to provide a study of the facts, principles, and processes of biology and the collection, interpretation, and formulation of hypotheses from available data. The course is broken up into three major components; Molecules and Cells 25%, Heredity and Evolution 25%, and Organisms and Populations 50 percent. This course will follow the College Board curriculum for AP Biology which is the equivalent of a introductory course for Biology majors in college.

Grades 9-12

SCIENCE — PHYSICS**20033801****PHYSICS I**

Course topics include but are not limited to: mechanics (the study of motion and forces) energy gravity, electromagnetism and heat. The course content is presented through lecture/discussion, demonstrations, video and extensive laboratory experiences.

Grades 10-12

20033901**PHYSICS I HONORS**

Physics I Honors is recommended for all college-bound students to broaden their science background knowledge and to improve their problem-solving skills. It is especially recommended for those who plan to major in science, engineering, medicine or other technical fields. Course topics include but are not limited to: mechanics (the study of motion and forces) energy gravity, electromagnetism and heat. The course content is presented through lecture/discussion, demonstrations, video and extensive laboratory experiences.

Prerequisites Algebra, and Chemistry I Honors

Grades 10-12

20034101**PHYSICS 2 HONORS**

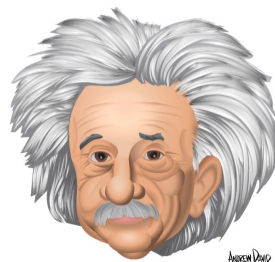
This course is recommended for all college-bound students who plan to major in science or a science-related field such as medicine or engineering. Topics include but are not limited to: wave mechanics, sound, light and optics, radiation, nuclear physics, relativity, quantum mechanics, fluid mechanics, and AC / DC circuits. Course content is presented through lecture /discussion, demonstrations, video, and extensive laboratory experiences.

Grades 11-12

B20034201**AP PHYSICS B**

Advanced Placement Physics is an in-depth study of those topics covered in Physics Honors I & II that will be included on the AP Physics B exam. Topics include : Newtonian mechanics, thermal physics, electricity and magnetism, waves and optics and atomic and nuclear physics. Special emphasis will be placed on problem-solving techniques and on the collection and analysis of data using both traditional methods and computers. Course material will be presented through lecture/discussion, demonstrations, lab activities and video presentations. Considerable time and effort will be devoted to doing practice problems and practice exams in preparation for the AP exam. AP Physics may not be used as a substitute for Physics II and students must complete or be enrolled in Physics II.

Grades 11-12



SCIENCE — CONTINUED**20003601****ANATOMY AND PHYSIOLOGY HONORS**

The purpose of this course is to provide students with exploratory and advanced activities in the structure and function of the components of the human body. Course content includes cellular processes and tissues, the skeletal, muscular, nervous, cardiovascular, respiratory, digestive, urinary, and reproductive systems. This course is strongly recommended for college bound students interested in the biological sciences. Dissection of fetal pig, using gloves for safety purposes is required.

*Grades 11-12***20025001****MARINE SCIENCE I**

This course is designed to give students an overview of the sciences connected with marine life. Areas covered include natural resources from the sea, tides and current topography, marine ecology, chemical and physical characteristics of sea water, taxonomy and ocean exploration. Emphasis is on the habitats and interactions of plants and animals.

*Grades 11-12**Prerequisite: Biology I***20025301****MARINE SCIENCE II HONORS**

The purpose of this course is to provide the student with a survey of the marine biome. Course content includes physical oceanography, marine geology, the diversity of marine organisms, marine plant and animal life, marine ecology and man and the marine community. This course includes extensive laboratory experiences including dissection. Use of gloves for safety purposes is required.

*Grade 12**Prerequisite: Marine Science I or teacher approval***20013801****AP ENVIRONMENTAL SCIENCE**

The purpose of this course is to study the interaction of man with the environment. The content should include: scientific analysis, fundamental principles and concepts about the interdependence of earth's systems, population dynamics and distribution, ownership and use degradation of renewable and nonrenewable resources, environmental quality, global changes and their consequences, environment and society trade-offs and decision making choices for the future.

*Grades 10-12**Prerequisite: Biology***20013101****EARTH SPACE SCIENCE**

The purpose of this course is to develop and apply concepts basic to the Earth, its materials, processes, history and environment in space.

Grade 11

SCIENCE — CHEMISTRY**20033400****CHEMISTRY**

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

Grades 10-12

20033501**CHEMISTRY 1 HONORS**

This course is a honors level course recommended for the college bound student. 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, stoichiometry, phase changes, solutions, acids, bases and salts and nuclear chemistry.

Grades 10-12

20033701**AP CHEMISTRY**

This course is intended for students who plan to major in science or a science-related field such as engineering or medicine. Topics include physical and organic chemistry, biochemistry and analytical chemistry. The course includes extensive laboratory experiences. The College Board AP Chemistry curriculum which is the equivalent of a first year college chemistry course.

Grades 10-12

DUAL ENROLLMENT SCIENCE

The following courses are intended to be offered on the Osceola High School Campus as options for students seeking Dual Enrollment options for science, these course are not recommended for students who intend to major in a Science or Technology major in college. For those students it is recommended that students look to take more advanced science courses on one of Valencia College's campuses.

CMH1020**CHEMISTRY IN EVERYDAY LIFE**

Meets general education requirement for non-science major. Study of some basic concepts in inorganic chemistry, organic chemistry and biochemistry. Students apply principles as they analyze, discuss and make decisions on chemically related problems that affect everyday life. (Not a prerequisite for any other science course)

BSC1050**ENVIRONMENTAL SCIENCE**

General education non-laboratory course provides understanding of our interdependence with and responsibility for environment. Investigates such aspects of environment as pollution, urbanization, population trends and changes in lifestyles. Treats present and projected solutions to problems.

SOCIAL STUDIES

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

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 11-12

21063100**US GOVERNMENT**

This course provides students with the opportunity to acquire an understanding 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.

Grade 12

21023100**ECONOMICS**

The purpose of this course is to provide students the opportunity to acquire an understanding of the way in which 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.

Grade 12

The classes above are all available in an Honors version. Placement is made in those classes based on standardized test scores and past performance. Honors classes are taught at an advanced level and students earn .5 weighted credit.

ADVANCED PLACEMENT SOCIAL STUDIES**21034000****Advanced Placement****HUMAN GEOGRAPHY**

The purpose of this AP Human Geography course is to introduce students to the study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface to include the location of places, people, and events, and the connections among places and landscapes-I the understanding of human life on Earth.

*Grades 9-12***2194200****Advanced Placement****WORLD HISTORY**

Students understand the development of Europe within the context of history by examining connections to the past in order to prepare for the future as participating members of a global community. Advanced Placement History may be blocked with Eastern and Western Heritage and taught as a year long course.

*Grades 10-12***21093801****Advanced Placement****EUROPEAN HISTORY**

The purpose of this elective course taught at the college level is to develop the analytic skills and factual knowledge necessary to deal critically with the problems, content and materials of European historic development. Term paper required.

*Prerequisite: World History**Grades 10-12***21003301****Advanced Placement****US HISTORY**

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. Advanced Placement American History may be blocked with Visions and Pursuits, and taught as a year long course.

Grades 11-12

ADVANCED PLACEMENT SOCIAL STUDIES

21064201**Advanced Placement****US GOVERNMENT AND POLITICS**

Students acquire a critical perspective of politics and government in the United States. They learn general concepts used to interpret American politics and analyze specific case studies. Students also become familiar with the various institutions, groups, beliefs and ideas that constitute the American political perspective.

21023601**Advanced Placement****MICROECONOMICS**

In order for students to acquire the knowledge and decision-making tools necessary for understanding how society must organize its limited resources to satisfy its unlimited wants, students learn factors that influence the economic system.

*Grade 11-12***21023701****Advanced Placement****MACROECONOMICS**

Students understand the choices they must make as producers, consumers, investors, and tax payers. The study of economics provides students with the knowledge and decision-making tools necessary for understanding how a society must organize its limited resources to satisfy its unlimited wants.

Grade 11-12

DUAL ENROLLMENT SOCIAL STUDIES

AMH2010/AMH2020**US HISTORY TO 1877/US HISTORY 1877 TO PRESENT**

The purpose of this elective course taught at the college level is to provide students with the opportunity to develop the analytic skills and factual knowledge necessary to deal critically with American historic development. The course focuses on persistent themes and changes in history and applies historical reasoning to seek solutions to contemporary problems.

*Grades 11-12**Prerequisite: DE Eligibility*

PEER COUNSELING/PSYCHOLOGYBlocked Course**14003000****PEER COUNSELING I&II**

The purpose of this course is to help students improve the regulation of their own behavior; acquire problem-solving skills; learn social competence; increase autonomy; and develop attitudes and skills that will enable them to resolve conflicts.

Grade 11-12

PEER COUNSELING III&VI

Once trained in Peer Counseling I and II, the student may be used as a peer mediator assisting fellow students with conflicts. This conflict resolution will encourage peaceful/successful student to student interaction.

Grade 11-12

Blocked Course**21073000/21073100****PSYCHOLOGY 1 AND 2**

Through the study of psychology students will acquire an understanding of and appreciation for human behavior, behavior interaction,, and the progressive development of individuals. This will better prepare them to understand their own behavior and the behaviors of others.

Grade 11 and 12

2173501**Advanced Placement Psychology**

This course is an extension of the Psychology I and II courses for students planning to attend college and/or are interested in the field of Psychology. It is taught as a college level introductory psychology class with the rigor and relevance that is needed to be successful. A standardized exam given at the end of the course determines college credit received.

Grades 11-12



PHYSICAL EDUCATION

3026010P/3026010H**Health Opportunities through Physical Education (HOPE)**

HOPE is the Physical Education course integrated with Health required for graduation. The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness.

There are alternative methods to earning the HOPE credit but all students must earn the credit prior to graduation see your counselor for more information .

Blocked Course**15013400 / 15013500****Beginning and Intermediate Weight Training**

The purpose of this course is to acquire basic knowledge and skills in weight training that may be used in current and future physical fitness pursuits, improve muscular and strength and endurance, and to enhance body image.

Grades 10-12

Blocked Course**15033500 / 15033600****Team Sports I / II**

The purpose of these courses is to acquire knowledge of strategies of team sports play, develop skills in selected team sports, and maintain and/or improve personal fitness.

Grades 9-12

Blocked Course**15055000 / 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.

Grades 9-12

1505550/1505560**Beginning and Intermediate Wrestling**

The purpose of this course is to acquire the knowledge and skills in wrestling. The students will learn techniques that will allow them to compete competitively and improve general physical fitness.

Grades 9-12

DRIVER EDUCATION

Blocked course

DRIVER EDUCATION CLASS —LAB

19003100

DRIVER EDUCATION CLASS — Lab

This course introduces students to the highway transportation system and provides instruction in strategies which will develop driving knowledge and skills related to today's and tomorrow's motorized society. Course content includes the four (4) hour drug course required by the state plus an in-depth study of the scope and nature of accident problems and their possible solutions. An up-to-date study of the ever-changing Florida driving laws are covered in detail. Five (5) hours behind the wheel driving will be given to each student. Each student will receive actual driving time on the road. Tests for restricted license and regular license will be given during class.

Students who are placed in Drivers Education must be able to provide the appropriate documentation needed in order to get a Florida Driver's License. Documents required are outlined on the Gather Go Get website at www.gathergoget.com

Students unable to provide this documentation within the first week of class will be removed from course!

Grades 10-12 student must be 15 and able to get permit.



FOREIGN LANGUAGES**07083401****SPANISH 1**

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

Grades 9-12

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 increase knowledge of grammatical concepts and to expand vocabulary and conversational skills.

Grades 9-12

*Prerequisite: Spanish 2
or Teacher recommendation*

07083701**SPANISH 4 Honors**

This course continues to develop the various skills from Spanish 3, such as listening, speaking, reading, and writing. Course content includes an introduction to literature from Spain and South America.

Grades 9-12

*Prerequisite: Spanish 3
or Teacher recommendation*

07093001**SPANISH FOR SPANISH SPEAKERS 1**

The course is designed for students who speak Spanish but need practice with reading and writing.

Grades 9-12

Prerequisite: Must Speak Spanish

07093101**SPANISH FOR SPANISH SPEAKERS 2**

The purpose of this course is to continue the development of oral and written communications and cultural awareness. Course content includes composing in Spanish and translating from English to Spanish as well as Spanish to English.

Grades 9-12

*Prerequisite: Spanish for Spanish Speakers I
or Teacher Recommendation*

FOREIGN LANGUAGES — CONTINUED**07093201****SPANISH FOR SPANISH SPEAKERS 3**

This course is designed for students who are fluent in speaking, reading and writing in Spanish.

Grades 9-12

*Prerequisite: Spanish for Spanish Speakers II
or Teacher Recommendation*

07084001**ADVANCED PLACEMENT SPANISH LANGUAGE**

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.

Grades 11-12

*Prerequisite: Spanish for Spanish Speakers 3
or Teacher Recommendation*

07084101**ADVANCED PLACEMENT SPANISH LITERATURE**

The purpose of this course is for students to analyze and interpret literature in Spanish. It is comparable to a 3rd year college course with emphasis on the development of reading and writing skills.

Grades 11-12

*Prerequisite: Spanish for Spanish Speakers 3
or Teacher Recommendation*



AMERICAN SIGN LANGUAGE (ASL)

0717300

American Sign Language (ASL) 1

The purpose of this course is to enable students to begin to acquire proficiency in American Sign Language through a linguistic, communicative, and cultural approach to language learning. Emphasis is placed on the development of receptive and expressive signing skills and on the acquisition of the fundamentals of applied grammar. Cross-cultural understanding is fostered and real-life applications are emphasized throughout the course.

Grades 9-12

0717310

American Sign Language (ASL) 2

The purpose of this course is to enable students to enhance proficiency in American Sign Language through a linguistic, communicative, and cultural approach to language learning. There is a continued emphasis on the development of receptive and expressive signing skills and on the acquisition of the fundamentals of applied grammar. Cross-cultural understanding is fostered and real-life applications are emphasized throughout the course.

Grades 9-12

Prerequisite American sign Language 1

0717312

American Sign Language (ASL) 3

The purpose of this course is to enable students to enhance proficiency in American Sign Language through a linguistic, communicative, and cultural approach to language learning. There is a continued emphasis on the development of receptive and expressive signing skills and on the acquisition of the fundamentals of applied grammar. Cross-cultural understanding is fostered and real-life applications are emphasized throughout the course.

Grades 9-12

Prerequisite American sign Language 2



AIR FORCE JROTC

18003001**AEROSPACE SCIENCE 1****AS-100: A Journey Into Aviation History****LE-100: Citizenship, Character & Air Force Tradition**

The academic portion is a history course designed to acquaint the cadet with the historical facts and impacts of the early attempts to fly, the major historical contributors to the development of flight, the contributions of the USAF to modern aviation history, and the key events of space exploration history. The leadership education portion contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship. Uniform wear and grooming standards are required.

Prerequisite: None

18003101**AEROSPACE SCIENCE 2****AS-210: The Science of Flight*****LE-200: Communication, Awareness, and Leadership**

The academic portion is a science course designed to acquaint the cadet with the aerospace environment (atmosphere and weather), the human requirements of flight, principles of aircraft flight, and principles of navigation. Discussions include: the forces of lift, drag, thrust, and weight; basic navigation including map reading, course plotting, and the effects of wind; and human physiology including the human circulatory system, the effects of acceleration and deceleration, and protective equipment. The leadership education portion stresses communications skills and cadet corps activities. Information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Uniform wear and grooming standards are required. ***NOTE: Completion of 2 years of ROTC will result in 1 Fine/Performing Arts credit and 1 PE credit.**

Prerequisite: AS 100/LE 100

18003201**AEROSPACE SCIENCE 3****AS-310: Explorations: An Introduction to Astronomy*****AS-300: The Exploration of Space*****LE-300: Life Skills and Career Opportunities**

The academic portion explores the history of astronomy to include prehistoric astronomy, classical astronomy, and astronomy in the Renaissance. The Sun, the Earth, and the Moon are discussed in detail including their descriptions, structure, origin, and history. An in-dept study of the Solar System, the terrestrial planets and the Jovian planets, is covered as well. The latest advances in space technology (orbits, trajectories, satellites, probes, and guidance and control systems), continuing challenges of space (milestones in the endeavor to land on the Moon and international law), and manned spaceflight (the Space Shuttle and space stations) are also discussed. The leadership education portion examines "life after high school." Information is disseminated on how to apply to college/vocational/technical schools, how to begin a job search (resume preparation), how to spend money wisely, and how to be a responsible citizen. Uniform wear and grooming standards are required. ***NOTE: Completion of 3 years of ROTC will result in 1 Fine/Performing Arts credit, 1 PE credit and 1 Science credit.**

Prerequisite: AS 100/LE 100

AIR FORCE JROTC — CONTINUED**18003301****AEROSPACE SCIENCE 4: Leadership Development****Management of the Cadet Corps**

Upper-class cadets manage the corps under AFJROTC instructor supervision. This course provides hands-on experience and opportunity to put the theories of previous leadership courses into practice. Planning, organizing, coordination, directing, controlling, and decision-making will be done by the cadets, under the supervision of AFJROTC instructors. The cadets practice their communication, decision-making, personal-interaction, managerial, and organizational skills. Uniform wear and grooming standards are required.

*Grade 12**Prerequisite: teacher approval*

Completion of two years in a Reserve Officer Training Corps (R.O.T.C.) class satisfies the full 1 credit PE requirement and the full 1 credit Performing Arts requirement.

Sports Medicine

Blocked Course

08003200**FIRST AID & SAFETY**

The purpose of this course is to acquire knowledge and concepts of all aspects of first aid and safety, care and prevention of injuries in athletics and to increase total fitness level.

15024900**CARE & PREVENTION OF ATHLETIC INJURIES**

The purpose of this course is to acquire knowledge and skills relating to the nature, prevention, care and rehabilitation of athletic injuries for current and future recreational pursuits.

*Grades 11,12**Prerequisite: Health Science 1 or Anatomy and Physiology*

VISUAL AND PERFORMING ARTS**04003101****THEATRE 1**

The intention of this course is to open your mind to the possibilities available to you through the performing arts. These include career opportunities, training in public speaking and most importantly, using the performing arts as a mode of self-expression. During the run of this course we will explore the worlds of producing, production and directing technical theater and of course, performance.

Grades 9-12

Prerequisite: NONE

04003101**THEATRE 2**

The purpose of this course is to provide intermediate experience in theatre arts and literature. The content includes performance of dramatic literature, a short study of theatre history, analysis of dramatic literature, play production procedures, the study of acting methods, work in acting and directing experiences. In addition, the content includes a study of all areas of technical theatre, including set, costume, and lighting design and practical application. Students are required to participate in all the acting activities of the class, including various performances in front of the class. Participation in after school activities such as play rehearsals, productions, and drama festivals is encouraged. Journals and other writing and reading activities are required

Grades 9-12

Prerequisite: THEATRE 1

04003301**THEATRE 3**

The purpose of this course is to provide opportunities for drama students to receive continued instruction in acting and production techniques. Course content includes instruction in specific acting techniques used in various kinds of dramatic presentations.

Grades 11-12

Prerequisite: THEATRE 2

04003401**THEATRE 4 LEVEL IV Honors Credit**

The purpose of this course is to provide study in various aspects of dramatic and theatrical art. Course content includes all aspects of theatre.

Grade 12

Prerequisite: THEATRE 3

VISUAL AND PERFORMING ARTS- CONTINUED**BAND****13053000/1353100****EURYTHMICS (PERCUSSION AND GUARD)**

This class is for all guard members and percussion members who wish to participate in the concert and marching bands. The guard portion of this class will focus on all elements of guard, including dance, movement, flag, rifle and saber. The percussion class will include all members of the pit and battery percussion sections. Focus will be shared between marching and concert music. This class is Co-Curricular and grades are partially based on attendance in after school rehearsals and performances. Students must provide their own transportation on rehearsal days. No audition required (except for percussionists who wish to be in wind ensemble in the spring.)

Grades 9-12

Prerequisite: Percussion — middle school band preferred Guard — NONE

13003301**AP MUSIC THEORY**

The purpose of this course is to provide music students with an understanding of the theory behind music composition. The course is a fast moving class with focus on theory, ear training and sight singing in preparation for the AP music theory exam for college credit.

Grades 10-12

Prerequisite: Must be in band or chorus or have taken private lessons on an instrument. Must be able to read music.

Blocked Course**1302320C****CONCERT BAND/MARCHING BAND**

The purpose of this course is to provide students with an education in music principles through marching band and concert band performances. This class is Co-Curricular and grades are partially based on attendance in after school rehearsals and performances. Students must provide their own transportation on rehearsal days. No audition is required. Students in this class are encouraged to participate both fall and spring semesters.

Grades 9-12

Prerequisite: Middle School band or previous private lessons in brass or woodwind.

Blocked Course**1302320W****WIND ENSEMBLE/MARCHING BAND**

The purpose of this course is to provide students with an education in music principles through marching band and concert band performances. This ensemble is by audition only. Students in this class are expected to take it both fall and spring semesters. This class is Co-Curricular and grades are partially based on attendance in after school rehearsals and performances. Students must provide their own transportation on rehearsal days.

Grades 9-12

Prerequisite: Middle School band or previous private lessons. Auditions.

VISUAL AND PERFORMING ARTS- CONTINUEDBlocked Course**1303300C****CHORALIERS**

The purpose of this course is to provide students with experiences in basic vocal production techniques and part singing. Course content includes enabling students to develop basic fundamental skills in vocal tone production and choral performance techniques. Student participation at practices, special programs and competitions will be used in determining the student's grade.

Grades 9-12

Blocked Course**1303300S****OSCEOLA SINGERS**

The purpose of this course is to provide students with instruction in the development of basic vocal musicianship and technical skills through the study of varied choral literature. Course content includes interpretation of notation, holistic presentation of simple music form and varied style periods. Student participation at practices, special programs and competitions will be used in determining the student's grade.

Grades 9-12

Prerequisite: Audition

Blocked Course**1303300N****NEWSONG, DYNASTY, CHORALE**

The purpose of this course is to develop specific vocal and musical abilities such as tone quality, intonation, breath control, diction, phrasing and sight reading. Course content includes developing performance techniques peculiar to the voice with emphasis placed on technical and musical fundamentals. Student participation at practices, special programs and competitions will be used in determining the student's grade. Music repertoire includes madrigal music and literature of the pop, rock, jazz idiom.

Grades 9-12

Prerequisite: Audition

VISUAL AND PERFORMING ARTS CONTINUED**0143401****DRAWING**

The purpose of this course is to provide students with drawing experiences that teach spatial concepts, the development of control in varied approaches to drawing, recognition of styles of art, and judgmental criteria for determining the aesthetic merit of drawing. The course will include intensified work in gesture, contour and mass drawing. Production of drawing based on interpretation of ideas and feelings will be stressed.

*Grade 9-12***01023001****CERAMICS/POTTERY**

The purpose of this course is to give students an understanding of three-dimensional design, construction methods, such as hand-building and wheel work. Basic materials are supplied. Advanced or oversize projects will require student's purchase of materials. Course content includes studio production and an appreciation in three-dimensional media such as paper, fibers, plaster, clay, wood and plastics.

*Grades 9-12***01013101****ART/2-D COMPREHENSIVE 2**

The purpose of this course is to develop artistic expression in advanced two-dimensional art. Production methods, commercial design, graphics and portfolio preparation are covered in this course. A working knowledge of media, art history and research methods is required.

*Grades 10-12**Prerequisite: Drawing***01013201****ART/2D COMPREHENSIVE 3**

The purpose of this course is to give students experience in the artistic expression of ideas through two-dimensional (2D) art media. Perception and response to the expressive character of 2D art, the production of drawing and paintings and other 2D works of art, and the criteria for making judgments about the aesthetic merits of 2D art are included as part of the course content.

*Grades 10-12**Prerequisite: Art 2-D2***01093201****PORTFOLIO**

The purpose of this course is to introduce students to the quality, concentration and breadth of art. Course content includes an introduction to portfolio and a study of the design elements of varied forms of expression.

*Grades 11-12**Prerequisite: Art / 2D, Ceramics 2 & 3 and teacher approval***01093001****Advanced Placement****AP ART-GENERAL PORTFOLIO**

The purpose of this course is to allow students to demonstrate their ability to deal with the fundamental concerns of the visual arts.

*Grade 11-12**Prerequisite: teacher approval*

NOTES



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