

# **LMHS**

## **2023-2024**

### **Curriculum Guide**

**Mrs. Mickey Reynolds, Ed.D., Principal**  
**655 Longwood Lake Mary Road**  
**Lake Mary, FL 32746**  
**Phone: 407-320-9550**  
**Fax: 407-320-9512**

# INTRODUCTION

This Curriculum Guide is the beginning point for making wise course choices. In utilizing the available resources at LMHS, don't hesitate to seek assistance from teachers, school counselors and administrators. Carefully consider academic decisions that affect your future, both personally and professionally. Students are free to select a variety of courses, so consider your future plans and pursue courses that are necessary and interesting. Remember, your actions today set the direction for your future tomorrow.

## MISSION STATEMENT

Lake Mary High School students are prepared to enter an ever-changing, complex society equipped with a comprehensive academic foundation, a depth of knowledge, and a respect for self and others as productive citizens of the 21st Century.

## TABLE OF CONTENTS

INTRODUCTION .....	1
SCHEDULING INFORMATION .....	2
GENERAL INFORMATION .....	3
STUDENT SERVICES .....	4
DUAL ENROLLMENT .....	5
ADVANCED PLACEMENT .....	6
DIPLOMA PATHWAYS .....	7
BRIGHT FUTURES SCHOLARSHIP PROGRAM .....	11
FLORIDA POST-SECONDARY .....	12
NCAA COLLEGE ATHLETICS .....	13
LEGAL STUDIES PROGRAM OF EMPHASIS .....	14
CAREER EDUCATION .....	16
LANGUAGE ARTS / READING .....	23
MATHEMATICS .....	26
SCIENCE .....	28
SOCIAL STUDIES .....	31
WORLD LANGUAGES .....	33
FINE/PERFORMING ARTS .....	35
PHYSICAL EDUCATION .....	38
NAVY JUNIOR ROTC .....	39
ALTERNATES .....	40
AP CAPSTONE .....	41
DISTRICT-WIDE HIGH SCHOOL CHOICES .....	42

## ADMINISTRATIVE/GUIDANCE STAFF

MRS. MICKEY REYNOLDS, Ed.D., PRINCIPAL

MELISA AYALA-CRUZ .....	ASSISTANT PRINCIPAL
MELISSA FLORY .....	ASSISTANT PRINCIPAL
MICHAEL HENNESSY .....	ASSISTANT PRINCIPAL
TOM OLIVER .....	ASSISTANT PRINCIPAL
KATHY ASLIN .....	SCHOOL ADMINISTRATION MANAGER
REBECCA SOUTHWORTH .....	SCHOOL ADMINISTRATION MANAGER
SANDY PARISI .....	PRINCIPAL'S SECRETARY
WINNOLA GRIGLEY .....	LEAD COUNSELOR
KAITLIND MONTES .....	COUNSELOR
SHEYLA NEIRA-CHANGA .....	COUNSELOR
ANDREA STEINBORN .....	COUNSELOR
ANGELA STUFFLET .....	COUNSELOR
BRANDON THOMPSON .....	COUNSELOR

**Ram Publishing  
Team  
2022-2023**

Curriculum Guide Editor: Tom Oliver

Faculty Advisor: Janie Slentz

Administrative Contact: Tom Oliver

# SCHEDULING INFORMATION

## Scheduling Procedure

The administration, faculty, staff, students, and parents have combined efforts in producing the curriculum guide. We encourage students and parents to read it thoroughly and carefully, considering all curricular options. We hope the information in this guide will facilitate a successful registration. Further information can be obtained from your school counselor.

## STANDARDIZED HIGHER LEVEL COURSE ENROLLMENT CRITERIA

Seminole County recognizes the benefits students derive from higher level course participation and the importance of fair and equitable standardized criteria for enrollment in higher level courses. Students may elect to enroll in higher level courses based on any one of the multiple criteria. Where applicable, prerequisite course completion is required. Multiple enrollment criteria include, but are not limited to, self-selection, teacher recommendation, previous academic success, and standardized or state test scores.

## SELECTING COURSES

We expect students, after discussion with their parents, teachers and counselors, to choose courses with care prior to registration. Course selection is considered to be a contract between you and the school, and registration determines the master schedule for the upcoming year. Please consult with your school counselor prior to the end of the school year should a revised course selection be necessary. Any schedule changes must be made before the end of the school year.

## ALTERNATE COURSES

Alternate courses must be selected for all courses. Occasionally a course listed in this curriculum guide will not be offered due to a variety of reasons, or selected courses may conflict. Alternate courses allow students to be scheduled into a course of their choosing. Alternate courses are considered as valid student selections and may become a part of a student's schedule. Choose alternates with the same thoughtfulness as other course selections.

## SCHEDULE CHANGE POLICY

Students are expected to remain in a course for its duration. **Schedule changes due to failure are not routine.** Courses may be dropped and/or added during the first ten days of school if one of these conditions is met:

1. You have 19 or more credits and the course to be added is needed for graduation this school year.
2. Computer error.
3. You already have credit in the course.
4. You failed to meet a prerequisite.

Reasons for which schedules will not be changed:

1. You have changed your mind about a class.
2. You want a class to be a different period.
3. You want a different teacher.
4. You want a different lunch period.

**Advanced Placement and Dual Enrollment courses cannot be dropped after registration. Please schedule carefully as these are college courses with a heavy workload.**

## ADMINISTRATIVE CHANGES

Lake Mary High School reserves the right to change individual student schedules to comply with School Board and Department of Education policies. These changes may occur due to changes in the student population or faculty allocation. Changes will be made to balance classes and teacher loads to comply with class size amendment. Every effort will be made not to disrupt the educational process.

**If at the end of the previous school year a student's grade falls below the minimum required as prerequisite for a course, he/she may be assigned to a more appropriate course and/or level. Changes to course requests will also be made based on student scores on state mandated assessments and whether or not a student has met a state and district expectation for accelerated learning. Accelerated learning includes any of the following:**

- (1) passing an Industry Certification exam through a Career and Technical Education class,
- (2) taking and passing an Advanced Placement exam with a score of '3' or better, or
- (3) taking a Dual Enrollment course with a grade of 'C' or better.

## FEE NOTIFICATION/DONATION

In an effort to provide educational enhancements to students beyond the curriculum routinely offered, donations in certain courses historically have been sought in Seminole County Public Schools on a voluntary contribution basis. Every encouragement is given to students and parents to assist high school students in continuing the practice of course embellishment that these donations make possible. While such assistance is a practical requirement to maintain current practices, no student shall be denied the opportunity either to take any course or to participate fully in all aspects of a course in which donations are sought.

## BAND, COLOR GUARD, CHORUS, ROTC AND DANCE

Because of the numerous competitions and performance events associated, these programs are considered to be extracurricular activities in which fees may be required for items such as uniforms, dry cleaning, workshops and clinics, etc. Additionally, student enrollment in specific courses may be required for participation in these activities.

## Important Audition/Tryout Dates

### BAND AUDITIONS

All entering 9th grade band students should register for Band 3, pending an audition. Auditions will be scheduled during the 4th nine weeks, prior to the end of school. Throughout the month of May, the band director will be visiting middle schools to hold auditions for the different bands.

### CHORUS AUDITIONS

Beginning Chorus (Chorus 3) is the only non-auditioned group. If students would like to register for intermediate or advanced chorus, they need to audition for it. Auditions for the select extracurricular ensembles like Celestial Sound and Ramboliers will also take place during the audition. The audition will consist of sight singing, part singing, tone quality, and stage presence. Contact the choir director for more details about the audition process, or to schedule an audition time.

<b>Band:</b>	Auditions - April/May
<b>Chorus:</b>	Auditions - April/May
<b>STEP Team:</b>	Tryouts - April/May
<b>Marionettes:</b>	Parent Information Meeting & Tryouts - April/ May
<b>Cheerleading:</b>	JV/Varsity Tryouts - May Freshman Tryouts - June



# GENERAL INFORMATION

## CLASSIFICATION OF STUDENTS

**9th grade** - One who has been promoted or assigned from 8th grade.

**10th grade** - One who has earned six (6) credits.

**11th grade** - One who has earned twelve (12) credits.

**12th grade** - One who has earned nineteen (19) credits.

## ATHLETIC ELIGIBILITY

An incoming 9th grader must have been regularly promoted, not assigned, from the 8th grade, according to the Pupil Progression Plan, to be eligible for participation in interscholastic extracurricular activities during the fall semester. Thereafter, to be eligible to participate in interscholastic extracurricular student activities, a student must:

1) Maintain an unweighted grade point average of 2.0 or above on a 4.0 scale, or its equivalent, in the previous semester or a cumulative unweighted grade point average of a 2.0 or above on a 4.0 scale or its equivalent.

2) Execute and fulfill the requirements of an academic performance contract if the student's cumulative grade point average falls below 2.0, or its equivalent, on a 4.0 scale in the courses required. At a minimum, the contract must require that the student attend summer school, or its graded equivalent between grades 9 and 10 or grades 10 and 11, as necessary.

## COURSE LENGTH/CREDIT

All courses at Lake Mary High School are finalized each semester. However, courses in the major academic disciplines as well as certain Career Education and Fine Art courses meet for two consecutive semesters and the students receive a year of instruction in each course. Students will receive a 0.5 credit for each subject satisfactorily completed each semester.

## NATIONAL HONOR SOCIETY

National Honor Society (NHS) is a national academic honor club. The Lake Mary High School faculty selects students eligible for membership.

- Juniors are invited in Spring based on their 3.5 GPA
- Invitees will complete an application that includes their extra-curricular involvement at Lake Mary High School and their community service.
- Teachers will also be asked to complete Character evaluations on these applicants.
- A panel of teachers will review and score the applications.
- Students who fulfill all the requirements will then be tapped by the officers in March and inducted in a formal ceremony in April.
- This will still allow students who want to apply to college early action/early decision to mark this as part of their honors/extra-curricular involvement.
- This will allow ALL members to begin to accrue points at the very beginning of their Senior school year giving them more opportunities to earn all 25 points needed for cording/diploma in May.
- Members who wish to be considered as officers will complete an application in late April/early May after their induction. The sponsors and an anonymous faculty panel will evaluate the applications and choose the 5 positions.
- Prior to completing the application that accompanies the invitation they will receive in early Spring, students should insure that they accomplish the following:
  - active involvement in LMHS extra-curricula
  - volunteering/community service
  - exhibiting strong character in classes at LMHS

## FLORIDA SHINES (FLORIDASHINES.ORG)

The Florida Department of Education provides all high school students and their parents with a personalized High School Academic Evaluation on how the student stands in relation to Bright Futures eligibility requirements and the State University System course admissions requirements. The evaluations are accessible through the Internet on FloridaShines.org, Florida's official statewide student advising system. The High School Academic Evaluation function allows high school students to create a LOGIN ID and PASSWORD, and using transcripts provided by their high school, receive an evaluation of their progress towards meeting the Bright Futures Scholarship program eligibility requirements and the State University System course requirements for admission.

## GRADE SCALE

The grading system for Seminole County Schools:

Letter	Percentage	Quality	Points
A	90 - 100	3.6 -	4.0
B	80 - 89	2.6 -	3.5
C	70 - 79	1.6 -	2.5
D	60 - 69	0.75 -	1.5
F	0 - 59	0 -	0.74

Nine-week grades will be calculated at the end of each quarter by averaging all grades for homework, projects, papers, tests, quizzes, presentations, etc. At the discretion of the teacher, up to 25% of the 9-week grade may be determined by class participation. Teachers utilizing class participation will notify students at the beginning of the semester/year. A cumulative nine-week test is 20% of the quarter grade. Two F's or a semester average grade less than 60% will constitute an automatic failure for the semester.

## GRADE POINT AVERAGE (GPA)

Cumulative Grade Point Averages (GPA) are based on final semester grades and determined by dividing the total number of courses attempted into the total number of quality points earned. Any other course for which no letter grade is given is excluded. Students have several cumulative GPA's including a Florida GPA, which is unweighted and a District GPA, which is calculated using different weights for various grades. The chart below indicates the quality points each grade carries for both types of GPA calculation.

Unweighted (4.0 Scale)	A	B	C	D	F
	4	3	2	1	0
Weighted	A	B	C	D	F
Honors and Gifted	4.5	3.5	2.5	1	0
Pre-IB	4.5	3.5	2.5	1	0
Level 3 Academics	4.5	3.5	2.5	1	0
Advanced Placement	5	4	3	1	0
Dual Enrollment	5	4	3	1	0
International Baccalaureate	5	4	3	1	0

## RECOGNITION OF ACADEMIC EXCELLENCE

All students, grades 9-12, may be recognized for academic excellence by one or more of the following:

- Honor Roll** - Using all course quarter grades, Honor Roll certificates are presented to students earning a weighted GPA of 3.00 to 3.99.
- Principal's Honor Roll** - Using all course quarter grades, Principal's Honor Roll certificates are presented to students earning a weighted GPA of 4.00 and above.

Recognitions listed above are awarded quarters 1 through 3.

# STUDENT SERVICES

## STUDENT SERVICES

The Student Services Department of Lake Mary High School assists students in developing a realistic picture of their progress in relation to their potential. The staff provides counseling, orientation services, consultation with parents and teachers, college and career information, referral services, coordination of standardized testing, and assistance to students, parents, teachers, and other professionals in providing a sound education program for all students. Certified school counselors assist in a confidential manner with personal, academic, and career information when requested.

## VOLUNTARY PUBLIC SERVICE

All students who intend to qualify for The Bright Futures Scholarship Program Florida Academic Scholars Award must complete a 100 hour community service requirement. Community service information packets are available on eCampus, school website, and on the district website.

## EXCEPTIONAL STUDENT EDUCATION (ESE)

Special services are available for exceptional students in order to fully meet needs and expectations. All ESE services require staffing eligibility as determined by the district office. Additional information on specific services or placement is available from the student services office upon request. Students with special needs earning a standard diploma may be served through a variety of service models. These services are offered at Lake Mary High School:

Specific Learning Disabilities	Gifted
Speech and Language Therapy	Intellectually Disabled
Emotionally Behaviorally Disabled	Autism Spectrum Disorder
Varying Exceptionalities	

## DIPLOMA OPTIONS

**STANDARD DIPLOMA:** Diploma awarded to students who have successfully completed the minimum number of academic credits and required courses prescribed by the state and local school board, state mandated assessments, and have met the minimum 2.0 unweighted GPA requirement.

**Standard Diploma Through Access Points:** Diploma awarded to students who have been properly classified in any of the special education categories, met all applicable requirements prescribed by the school board, and demonstrated mastery of the appropriate minimum number of credits and all other requirements prescribed by the local school board, but failed to meet 11th grade minimum student performance standards as prescribed in the State Board of Education Rule.

## GRADUATION REQUIREMENT WAIVERS

All required graduation coursework **MUST** be completed prior to participation in the graduation ceremony.

\* Any online high school credit course taken grade 6-12 meets this requirement.

\*\* Two years in ROTC with a grade of "C" or better waives the one credit Fine Art requirement.

\*\*\* Different options exist for meeting the Physical Education requirement. Options include:

A. Students may waive the one full credit requirement for physical education, including Personal Fitness, by participating in two full seasons of an interscholastic sport at the JV or Varsity level.

B. One semester in a marching band class or in an auxiliary (Color Guard, Marionettes) with a grade of "C" or better waives the one-half elective credit requirement in Physical Education, not Personal Fitness.

C. Two years in ROTC waives the one-half elective credit requirement in Physical Education, not Personal Fitness.

D. Students that successfully complete a one credit dance class will satisfy the .5 credit of the PE Activity Elective or .5 credit of Fine Arts Elective.

**\*\*\*Please consult the SCPS Student Progression Plan for information on waivers for the requirements for physical education, fine arts and specific science courses prior to registration.**

## ADDITIONAL CREDIT

Students may earn additional credit toward graduation through any of the following programs for which they are eligible. See your school counselor for specific information.

1. Students may be awarded high school credit prior to the 9th grade according to the Seminole County Student Progression Plan
2. Community Service
3. Florida Virtual School/Seminole County Virtual School

## ACT AND SAT

All colleges, universities, and community colleges require the SAT or ACT for admissions or placement. Most colleges/universities will accept either the SAT or ACT. We strongly recommend and encourage all college-bound juniors to take the SAT and/or the ACT before the end of their junior year. ACT and SAT test information is available on eCampus. Lake Mary High School's code number (CEEB) is 100-883. Lake Mary is an ACT test center for September, October, December, February, April, and June test dates. Our ACT test center number is 194380. Lake Mary is an SAT test center for the November, December, March and May test dates. Our SAT test center number is 10366.

# DUAL ENROLLMENT

Dual Enrollment is a post-secondary articulated acceleration mechanism, where students enroll in post secondary instruction and receive both post secondary and secondary credit. The Early College Program allows students to pursue an advanced curriculum that is relevant to their individual postsecondary interest. Students will earn credit toward high school completion and a career certificate, or an associate or baccalaureate degree at a Florida public college or university. As per the Seminole County Public Schools Student Progression Plan, “Students enrolled in an approved dual enrollment course are exempt from the payment of registration, tuition, and laboratory fees for no more than nine credit hours per semester”.

**As per the Seminole County Public Schools Student Progression Plan, “Students enrolled in an approved dual enrollment course are exempt from the payment of registration, tuition, and laboratory fees for no more than nine credit hours per semester”. Collegiate high school students and Early Admission students are exempt from this credit hour limit.**

## CAREER DUAL ENROLLMENT

Seminole State College programs allow eligible high school students who are at least 16 years old, have junior or senior status, have a 2.5 GPA, and college ready scores on the PSAT, SAT, ACT, or PERT to earn college credits toward an Associate in Science degree while still attending high school. Students take five classes at their high school and two classes at Seminole State College. Transportation is provided for SCPS students.

Career Path: Fulfills credit toward an A.S. Degree in select programs. Seminole State College currently offers Early College credit toward the following A.S. Degrees:

Business Administration (12th)	Legal Studies POE (12th)	Life/Career Planning (11th & 12th)
Criminal Justice (11th & 12th)	Forensic Science POE (12th)	Aeronautical Science (ERAU) (12th)
Technical Design (10th - 12th)		

Dual Enrollment applications must be completed and turned in with your completed registration card.

## ACADEMIC DUAL ENROLLMENT

In order to participate in approved Academic Dual Enrollment courses a student must meet the following requirements:

Passed 10th grade B.E.S.T. (Florida Standards Assessment) ELA & Algebra 1 EOC	Have a minimum unweighted cumulative 3.0 GPA
Be enrolled in at least five courses at their high school	Have a college ready score on the SAT, ACT, or PERT in English, Reading, and Math

Dual Enrollment courses must be creditable to high school graduation. Students should see their school counselor for dual enrollment Course recommendations and approval. The principal reserves the right for final approval of all Dual Enrollment Courses.

## SEMINOLE COUNTY PUBLIC SCHOOLS EDUCATIONAL EQUITY - NOTICE OF NONDISCRIMINATION

The Educational Equity Administrator for Seminole County Public Schools has the responsibility of assuring compliance with the educational equity requirements by providing technical expertise, monitoring activities or programs related to compliance, and responding to equity complaints. One of the responsibilities is to administer the Educational Equity Complaint/Grievance Procedures as adopted by the School Board.

It is the policy of the School Board of Seminole County, Florida, that no employee, student, or applicant shall - on the basis of race, color, national origin, sex, disability, marital status, age, religion, or any other basis prohibited by law - be excluded from participating in, be denied the benefits of, or be subjected to discrimination and harassment under any educational programs, activities, or in any employment conditions, policies, or practices conducted by the District. Additionally, the School Board of Seminole County provides equal access to public school facilities for the Boy Scouts of America and other designated youth groups as required by 34 C.F.R. 108.9.

Every employee, student, or applicant for employment at Seminole County Public Schools has a solemn right to be treated fairly, equally, equitably, and with dignity. If for any reason you - the employee, student, or applicant for employment - find that you have been victimized by acts of discrimination and or harassment, whether intentional or unintentional, you are strongly encouraged to file an Educational Equity Complaint or Grievance with the Educational Equity Administrator, or any county or school-level administrator. All such complaints must be immediately forwarded to the Educational Equity Administrator for dissemination, action, and resolution. Forward to: SCPS Educational Equity Administrator, Seminole County Public Schools, Educational Support Center, 400 E. Lake Mary Blvd., Sanford, FL 32773-7127. (407) 320-0198.

# ADVANCED PLACEMENT

## WHAT IS ADVANCED PLACEMENT?

Advanced Placement (AP) represents college level academic challenges. AP classes are college level courses offered in English, math, science, social studies, world language, computer science, art, and music. AP is not just a test; it's an experience. The work you do in AP will help you develop skills and study habits that will be vital in college. Colleges recognize that applicants with AP experiences are much better prepared for the demands of college courses. Admissions officers are aware of the difficulty of AP courses and exams, and sending them your AP Exam scores can only be a positive step toward potential admission into competitive colleges. Based on the results of the AP exam, college credit may be awarded by participating colleges and universities.

## WHAT DO I NEED TO SUCCEED IN AP?

You need to be willing and able. "Willing" means motivated to study and learn on the college level. If you are committed to participating actively in an AP class and doing the out-of-class assignments, you have met a major prerequisite for success.

## HOW DIFFICULT ARE AP COURSES?

Compared with regular high school courses, AP courses are more demanding. Depending on the subject, you may read and write more, analyze material, synthesize ideas, solve problems, and evaluate. The skills you develop in AP courses—critical reading, analyzing data sets, synthesizing evidence to develop new insights—will equip you for lifelong learning. Your investment in any AP course is sure to provide many returns.

## SHOULD I TAKE AN AP COURSE AND RISK GETTING A LOWER GRADE?

The grade you receive may be as good or better than one you would have earned in an honors course, because the weight given to grades in AP courses compensates for the increased difficulty. Secondly, colleges know that all courses are not equal. Their evaluation of student grades focuses as much on the quality of the courses as the grades received. Finally, an AP course gives you an opportunity to learn a subject in greater depth.

## Advanced Placement Course Offerings and Guidelines

	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>English</b>	English 1 H/Pre AP/GT	English 2 H/Pre AP/GT	AP English Language	AP English Literature
<b>Mathematics</b> (8 <sup>th</sup> gr Alg 1 H/GT, 8 <sup>th</sup> gr or Geometry H/GT)	Geometry H/GT Algebra 2 H/GT Foundations of Programming AP Computer Sci Principles	Algebra 2 H/GT Pre-Calculus H/GT AP Computer Science A AP Computer Sci Principles	Pre-Calculus H/GT AP Calculus AB AP Computer Science A AP Comp. Sci Principles AP Statistics	AP Calculus AB AP Calculus BC AP Computer Science A AP Comp. Sci Principles AP Statistics
<b>Science</b> (7 <sup>th</sup> gr Alg 1 H/GT, 8 <sup>th</sup> gr Geometry H/GT and 8 <sup>th</sup> gr B.E.S.T. ELA Level 4 or 5)	Biology H/GT AP Biology	Chemistry H/GT AP Environmental Science AP Biology AP Chemistry	AP Biology AP Chemistry AP Environmental Science Physics H AP Physics 1	AP Biology AP Chemistry AP Environmental Science AP Physics 1 AP Physics 2 AP Physics C
<b>Social Studies</b> (B.E.S.T. ELA Level 4 or 5)	AP Human Geography	AP World History AP Human Geography	AP United States History AP Psychology AP Art History AP Human Geography	AP Macroeconomics (0.5) AP American Govt. (0.5) AP Psychology AP Art History AP Human Geography AP European History
<b>World Languages</b> (8 <sup>th</sup> grade Spanish 1 or French 1))	Spanish 1 / Spanish 2 French 1 / French 2	Spanish 2 / Spanish 3 French 2 / French 3	Spanish 3 / French 3 AP Spanish Language AP French Language	AP Spanish Language AP Spanish Literature
<b>Fine Arts</b>	2D Art 1 3D Art 1 Band/Chorus	2D Art 2 3D Art 2 Band/Chorus AP Photography	2D Art 3 or 3D Art 3 AP AP Art Draw AP Music Theory Band/Chorus AP Photography	AP Art Draw AP Art 2D AP Art 3D AP Music Theory AP Photography

# SEMINOLE COUNTY PUBLIC SCHOOL

## DIPLOMA PATHWAYS

In the spring of 2013 the Florida Legislature created new diploma options for the students of Florida. In doing so, they have offered students more choice as well as an opportunity to align their education to their future college and career plans. In Seminole County we refer to these new choices as Diploma Pathways. We call them Pathways because we believe that students should use their time in high school to embark on their own personal Pathway to success. Students may now choose a Pathway that will result in a standard high school diploma, a high school diploma connected with industry certification, a diploma designed to rigorously prepare them for the university setting, a diploma option in world languages, or an Advanced Placement diploma option.

Seminole County offers the Florida Seal of Biliteracy, which recognizes a high school graduate who has attained a high level of competency in one or world languages in addition to English. Beginning with the 2016-2017 school year, the Gold Seal/Silver Seal of Biliteracy will be awarded to high school students who earn a standard diploma and who earn four world language course credits in the same world language with a cumulative grade point average of 3.0 or higher on a 4.0 scale and achieve a qualifying score on a world language assessment.

The Advanced Placement Capstone Diploma is now being offered in partnership with College Board. Students who specialize in Advanced Placement courses and satisfactorily complete the AP Seminar, AP Research and four additional AP courses as determined by College Board are eligible for the AP Capstone Diploma. This diploma option is being offered at all Seminole County Public High Schools with the exception of Crooms Academy of Information Technology.

In the subsequent chart, you will find the Diploma Pathways and the corresponding expectations associated with each one. In addition to those offered by the state of Florida, Seminole County also offers the AP Capstone Pathway and Scholars with Distinction Pathway. These very rigorous Pathways will challenge even the most talented and dedicated students to an even higher level of academic accomplishment.

Seminole County will start each and every student on the Scholars Pathway. We want to ensure that students are setting their academic goals high as they begin high school. Through performance and self-selection, students and their families may opt to change Pathways as they progress through high school. Our goal is to have all students qualify to earn a Scholars Pathway diploma. In the end, regardless of the Pathway Diploma, we want every student in Seminole County to exit our school system as a graduate.

Your administrators and school counselors are available to provide further guidance on what each of the Pathways requires.



**DIPLOMA PATHWAY REQUIREMENTS**  
**CLASS OF 2023-2026**

STANDARD DIPLOMA PATHWAY	<b>REQUIREMENTS (must include (1) online course:</b>
	<p>English Credits (English 1 – English 4) or equivalent accelerated course(s)-4 credits</p> <p>Math Credits Grades (9-12) (must include Algebra 1 &amp; Geometry)-4 credits</p> <p>Science Credits (must include Biology I, (3) courses must contain a lab component, and 2 Equally Rigorous Courses)-4 credits</p> <p>Social Studies (must include World History, US History, 0.5 US Government &amp; 0.5 Economics with Financial Literacy)-3 credits</p> <p>Fine or Performing Arts, Speech &amp; Debate or Practical Art-1 credit</p> <p>½ Personal Fitness and ½ PE Elective-1 credit</p> <p>Elective Credits-9 credits</p>
TESTING REQUIREMENTS	<p>Passing Score on: Grade 10 ELA grad requirement test &amp; Algebra 1 EOC or concordant/comparison score EOC's in Algebra 1, Geometry, Biology I &amp; US History will count as 30% of the student's overall grade</p> <p><b>**An approved passing industry certification may take the place of a science or math credit.**</b></p> <p>Industry certifications that lead to college credit may substitute for up to two mathematics credits (except for Algebra I and Geometry).</p> <p>An industry certification that leads to college credit substitutes for up to one science credit (except for Biology I).</p> <p><b>**An approved Computer Science course may take the place of a math or science credit with the district substitution form.**</b></p>
SCHOLARS DIPLOMA PATHWAY	<b>REQUIREMENTS OF A STANDARD DIPLOMA PLUS:</b>
	<p>*Earn (1) credit in Statistics or equally rigorous mathematics course</p> <p>* Earn (1) credit in Algebra II or equally rigorous mathematics course</p> <p>*Earn (1) credit in Chemistry or Physics</p> <p>*Earn (1) credit in science course equally rigorous to Chemistry or Physics</p> <p>*Earn (2) credits in the same foreign language course</p> <p>*Earn (1) credit in Advanced Placement, International Baccalaureate, an Advanced International Certificate of Education, Dual Enrollment Course</p>
TESING REQUIREMENTS	Passing Score on ELA state grad requirement test, Algebra 1 EOC, Geometry EOC, Biology I EOC, and US History EOC
MERIT DIPLOMA PATHWAY	<b>REQUIREMENTS OF STANDARD DIPLOMA PLUS:</b>
	<p>REQUIREMENTS OF STANDARD DIPLOMA PLUS:</p> <p>*Attain one or more Industry Certifications from the list established under S. 1003.492 F. S</p> <p>****Industry Certification Courses which lead to college credit may be substituted for up to two math credits and/or one science credit excluding Algebra 1, Geometry and Biology***</p>
TEST REQUIREMENTS	SAME AS THE STANDARD DIPLOMA
SCHOLARS WITH DISTINCTION DIPLOMA PATHWAY	<b>REQUIREMENTS OF A SCHOLARS DESIGNATION PATHWAY PLUS:</b>
	<p><b>Does not apply to the class of 2025 and beyond.</b></p> <p>* Cumulative Weighted Grade Point Average of 3.75 or higher</p> <p>* (3) Consecutive years in the same World Language</p> <p>* (6) credits in AP or IB classes earning a grade of A or B or (4)AP or IB and (2) Dual Enrollment Credits</p> <p>* (1) credit in Experimental Research or equivalent with a grade of A or B or (1) Extended Essay, Senior Portfolio or 4<sup>th</sup> year of World Language or (1) extra AP, IB or Dual Enrollment Credit.</p>
TEST REQUIREMENTS	SAME AS THE SCHOLARS DESIGNATION PATHWAY
BILITERACY DIPLOMA	<b>REQUIREMENTS OF STANDARD DIPLOMA PLUS:</b>
	<p>*Earn four world language course credits in the same world language</p> <p>*Earn a cumulative grade point average of 3.0 or higher on a 4.0 scale</p> <p>*Earn a qualifying score on a World Language assessment</p>
TEST REQUIREMENTS	<p>SAME AS THE STANDARD DIPLOMA PLUS</p> <p>Qualifying score on a World Language assessment</p>
ADVANCED PLACEMENT CAPSTONE DIPLOMA	<b>REQUIREMENTS OF STANDARD DIPLOMA PLUS:</b>
	<p>*Satisfactory completion of the AP Seminar course as determined by College Board</p> <p>*Satisfactory completion of the AP Research course as determined by College Board</p> <p>*Satisfactory completion of four AP courses as determined by College Board</p>
TEST REQUIREMENTS	<p>SAME AS THE STANDARD DIPLOMA PLUS</p> <p>Satisfactory completion of AP courses as determined by the College Board</p>

# DIPLOMA PATHWAYS

The following educational plans are presented for students in grades 9-12 as a guide to plan a four-year course of study. These plans are tailored to the basic needs of students desiring to 1) complete a high school diploma program, 2) attend a higher institution of learning, 3) begin a career in the business world, or 4) enter the job market while still in high school. Each plan includes all specific requirements of the State of Florida and the School Board of Seminole County. The courses shown here are not intended to be used as a schedule, as they will not meet the unique needs of the individual student. Add electives that are of interest to you. Many of the course selections are similar, giving you the flexibility to prepare for a variety of possible “futures.”

## G/T- Gifted/Talented

## AP- Advanced Placement

## H- Honors

Scholars Pathway		Scholars Pathway Competitive College Admission		Standard Pathway		Merit Pathway	
Grade 9		Grade 9		Grade 9		Grade 9	
Subject	Credit	Subject	Credit	Subject	Credit	Subject	Credit
English 1	1	English 1 H or G/T	1	English 1	1	English 1	1
Alg 1	1	Geometry or Alg 2, H or G/T	1	Alg 1	1	Alg 1	1
Biology	1	Biology H, G/T, AP	1	Environmental Science	1	Environmental Science	1
Personal Fitness	1/2	Personal Fitness	1/2	Personal Fitness	1/2	Personal Fitness	1/2
Physical Education	1/2	Physical Education	1/2	Physical Education	1/2	Physical Education	1/2
Fine Art	1	Fine Art	1	Fine Art	1	Fine Art	1
World Language	1	World Language	1	Electives	<u>2</u>	Career Ed Elective	1
Electives	<u>1</u>	Electives	<u>1</u>	Total	7	Electives	<u>1</u>
Total	7	Total	7			Total	7
Grade 10		Grade 10		Grade 10		Grade 10	
Subject	Credit	Subject	Credit	Subject	Credit	Subject	Credit
English 2	1	English 2 H or G/T	1	English 2	1	English 2	1
Geometry	1	Alg 2 or PreCalc, H or G/T	1	Geometry	1	Geometry	1
Chemistry	1	Chemistry H or G/T	1	Chemistry	1	Biology	1
World History	1	World History H or AP	1	World History	1	World History	1
World Language	1	World Language	1	Electives	<u>3</u>	Career Ed Elective	1
Electives	<u>2</u>	Electives	<u>2</u>	Total	7	Electives	<u>2</u>
Total	7	Total	7			Total	7
Grade 11		Grade 11		Grade 11		Grade 11	
Subject	Credit	Subject	Credit	Subject	Credit	Subject	Credit
English 3	1	English 3 H or AP	1	English 3	1	English 3	1
Algebra 2	1	Precalc, H or G/T, Calculus	1	Algebra 2	1	Algebra 2	1
Physics or equally rigorous course	1	Physics H	1	Chemistry	1	Physical Science	1
United States History	1	American History H or AP	1	United States History	1	United States History	1
Electives	<u>3</u>	World Language	1	Electives	<u>3</u>	Career Ed Elective	1
Total	7	Electives	<u>2</u>	Total	7	Electives	<u>2</u>
		Total	7			Total	7
Grade 12		Grade 12		Grade 12		Grade 12	
Subject	Credit	Subject	Credit	Subject	Credit	Subject	Credit
English 4	1	English 4 H or AP	1	English 4	1	English 4	1
American Government	1/2	Precalc, H or G/T or AP Calc	1	Algebra 2	1	Algebra 2	1
Economics	1/2	Science Course, H or AP	1	Science Course	1	Chemistry or Physics	1
MCLA, MCA or Precalculus	1	Am. Government, H or AP	1/2	American Government	1/2	American Government	1/2
Physics or Anat or Mar Sci	1	Economics, H or AP	1/2	Economics	1/2	Economics	1/2
Electives	<u>3</u>	Electives	<u>3</u>	Career Ed Elective	1	Career Ed Elective	1/2
Total	7	Total	<u>7</u>	Electives	<u>3</u>	Electives	<u>1</u>
				Total	7	Total	7

\*Career Ed program courses that lead to Industry Certification Exam

# STANDARD DIPLOMA HIGH SCHOOL GRADUATION OPTIONS

## (Students Entering 9th Grade in 2014-2015 and After)

26 credit standard diploma option available to all students, including students with disabilities	26 credit standard diploma option available only to students with disabilities: <b>No access courses permitted</b>	26 credit standard diploma available only to students with disabilities, who take <b>access courses</b> and the <b>alternate assessment</b> . *
<b>4 Credits English Language Arts (ELA)</b>		
<ul style="list-style-type: none"> <li>• ELA I, II, III, IV</li> <li>• ELA honors, Advanced Placement (AP), Advanced International Certificate of Education (AICE), International Baccalaureate (IB) and dual enrollment courses may satisfy this requirement.</li> </ul>	<ul style="list-style-type: none"> <li>• Must earn credits for all of the courses listed in the first column</li> <li>• May substitute a <b>CTE</b> course with content related to English for <b>English IV</b> after a student study team review.</li> </ul>	<ul style="list-style-type: none"> <li>• Must earn credits for all of the courses listed in the first column</li> <li>• May substitute access courses for general education courses</li> <li>• May substitute a CTE course with content related to English for English 4 after a student study team review.</li> </ul>
<b>4 Credits Mathematics</b>		
<ul style="list-style-type: none"> <li>• One of which must be Algebra I and one of which must be Geometry</li> <li>• Industry certifications that lead to college credit may substitute for up to two mathematics credits (except for Algebra I and Geometry)</li> <li>• Approved Computer Science courses can substitute for a math credit (except for Algebra I and Geometry)</li> </ul>	<ul style="list-style-type: none"> <li>• Must earn credits for all of the courses listed in the first column</li> <li>• May substitute a CTE course with content related to mathematics for one mathematics credit after a student study team review (except for EOC courses: Algebra I and Geometry)</li> <li>• Approved Computer Science courses can substitute for a math credit (except for Algebra I and Geometry)</li> </ul>	<ul style="list-style-type: none"> <li>• Must earn credits for all of the courses listed in the first column</li> <li>• May substitute access courses for general education courses</li> <li>• May substitute a CTE course with content related to mathematics for one mathematics credit after a student study team review (except for EOC courses: Algebra I and Geometry)</li> <li>• Approved Computer Science courses can substitute for a math credit (except for Algebra I and Geometry) after a student study team review.</li> </ul>
<b>4 Credits Science</b>		
<ul style="list-style-type: none"> <li>• One of which must be Biology I, two of which must be equally rigorous science courses</li> <li>• Two of the three required credits must have a laboratory component</li> <li>• An Industry certification that leads to college credit substitutes for up to one science credit (except for Biology I)</li> <li>• Approved Computer Science courses can substitute for a science credit (except for Biology I)</li> </ul>	<ul style="list-style-type: none"> <li>• Must earn credits for all of the courses listed in the first column</li> <li>• May substitute a CTE course with content related to science for one science credit after a student study team review (except for EOC course: Biology I)</li> <li>• Approved Computer Science courses can substitute for a science credit (except for Biology I) after a student study team review.</li> </ul>	<ul style="list-style-type: none"> <li>• Must earn credits for all of the courses listed in the first column</li> <li>• May substitute access courses for general education courses</li> <li>• May substitute a CTE course with content related to science for one science credit after a student study team review (except for EOC course: Biology I)</li> <li>• Approved Computer Science courses can substitute for a science credit (except for Biology I) after a student study team review.</li> </ul>
<b>3 Credits Social Studies</b>		
<ul style="list-style-type: none"> <li>• 1 credit World History</li> <li>• 1 credit in U.S. History</li> <li>• 0.5 credit in U.S. Government</li> <li>• 0.5 credit in Economics</li> </ul>	<ul style="list-style-type: none"> <li>• Must earn credits for all of the courses listed in the first column</li> <li>• May substitute a CTE course with content related to social studies for one social studies course after a student study team review (except for EOC course: United States History)</li> </ul>	<ul style="list-style-type: none"> <li>• Must earn credits for all of the course(s) listed in the first column</li> <li>• May substitute access courses for general education courses</li> <li>• May substitute a CTE course with content related to social studies for one social studies course after a student study team review (except for EOC Course: United States History)</li> </ul>
<b>1 Credit Fine and Performing Arts, Speech and Debate, or Practical Arts**</b>		
<b>9 Elective Credits</b>		
<ul style="list-style-type: none"> <li>• 1 Online Course (IEP Team may waive if appropriate)</li> <li>• Student may also earn a nationally-recognized industry certification in information technology.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Must include 0.5 credit in an employment based course (OJT is a possibility)</b></li> <li>• May include ESE courses</li> <li>• <b>Online Course (IEP Team may waive if appropriate)</b></li> </ul>	<ul style="list-style-type: none"> <li>• May include employment based course/s</li> <li>• <b>Online Course (IEP Team may waive if appropriate)</b></li> </ul>
<b>1 Credit Physical Education to include Personal Fitness</b>		
<b>Students must earn a 2.0 grade point average on a 4.0 scale and pass statewide assessments (B.E.S.T. ELA 10th grade and Algebra 1 EOC) unless a waiver of assessment results is granted by the IEP team.</b>		

\* Parental consent is required before a student may take access courses.

\*\* Eligible courses and eligible course substitutions are specified in the Florida Course Code Directory.

# FLORIDA'S BRIGHT FUTURES SCHOLARSHIP PROGRAM

**ALL STATE SCHOLARSHIPS, ELIGIBILITY REQUIREMENTS AND AWARD AMOUNTS ARE SUBJECT TO CHANGE PENDING LEGISLATIVE ACTION.**

The Office of Student Financial Assistance (OFSA) within the Florida Department of Education administers the renewal and disbursement activities for the Florida Bright Futures Scholarship Program, which includes the Florida Academic Scholars Award (FAS), the Florida Medallion Scholars Award (FMS), and the Florida Gold Seal Vocational Scholars Award (FGS). Academic criteria for eligibility and award amounts are described below. For additional information, visit the website at [www.floridastudentfinancialaid.org](http://www.floridastudentfinancialaid.org), call 1-888-827-2004, or see your guidance counselor.

The Department of Education does not calculate your Bright Future GPA in the same manner as Seminole County. Your weighted GPA for Bright Futures does not show on your transcript. Be aware of this difference when determining whether you meet 3.0/3.5 grade point requirement. Access the web site "www.flvc.org" which will evaluate your transcript for the Bright Futures Scholarships.

## Florida Academic Scholars Award (FAS)

### Award Level:

All Students will receive the specified (cost per credit hour) award amounts established by the Florida Legislature in the General Appropriations Act. Specific Award amounts will be available in the summer after the legislature session.

### Grade Point Average (GPA)

3.5 weighted GPA (based on the Statewide Scholarship Weighting System) using the 16 credits listed below, combined with test scores and community service hours.

May use up to 2 additional credits in subject areas below to raise GPA.

**The Bright Future's GPA is NOT the same as Seminole County's weighted GPA that displays on transcripts.**

### Required Credits\*

- ◆ 4 English (3 with substantial writing)
- ◆ 4 Mathematics (Algebra 1 and higher)
- ◆ 3 Natural Sciences (2 with substantial lab)
- ◆ 3 Social Sciences
- ◆ 2 World Languages (in the same language)

**16 Total Credits**

### Community Service

(District approval needed for community service hours) 100 hours **(required for applicants)**

### Test Scores

1330 SAT or 29 ACT

## Florida Medallion Scholars Award (FMS)

### Award Level:

All Students will receive the specified (cost per credit hour) award amounts established by the Florida Legislature in the General Appropriations Act. Specific Award amounts will be available in the summer after the legislature session.

### Grade Point Average (GPA)

3.0 weighted GPA (based on the Statewide Scholarship Weighting System) using the 16 credits listed below and test scores listed below.

May use up to 2 additional credits in subject areas listed below to raise GPA.

**The Bright Future's GPA is NOT the same as Seminole County's weighted GPA that displays on transcripts.**

### Required Credits\*

- ◆ 4 English (3 with substantial writing)
- ◆ 4 Mathematics (Algebra 1 and higher)
- ◆ 3 Natural Sciences (2 with substantial lab)
- ◆ 3 Social Sciences
- ◆ 2 World Languages (in the same language)

**16 Total Credits**

### Community Service

(District approval needed for community service hours)  
75 hours **(required for applicants)**

### Test Scores

1210 SAT or 25 ACT

## FLORIDA GOLD SEAL VOCATIONAL SCHOLARS AWARD (GSV)

### Award Level:

All Students will receive the specified (cost per credit hour) award amounts established by the Florida Legislature in the General Appropriations Act. Specific Award amounts will be available in the summer after the legislature session. **Grade Point Average (GPA)**

3.0 weighted GPA (based on the Statewide Scholarship Weighting System) using the core 16 credits required for graduation.

3.5 unweighted GPA in a minimum of 3 Career and Technical Education credits from the same vocational program, and test scores listed below.

**The Bright Future's GPA is NOT the same as Seminole County's weighted GPA that displays on transcripts.**

### Test Scores:

Must meet one of the test requirements below

**PERT** —Reading 106, Writing 103, Math 114

**ACT** —Reading 19, English 17, Math 19

**SAT**—Verbal 440, Math 440

### Required Credits\*

- ◆ 4 English
- ◆ 4 Mathematics
- ◆ 3 Natural Sciences
- ◆ 3 Social Sciences (United States History, World History, United States Government, and Economics.)
- ◆ 1 Performing Art
- ◆ 1 Physical Education (1/2 Personal Fitness and 1/2 P.E. elective)
- ◆ Plus a minimum of 3 Career and Technical Education credits in one vocational program.

### Community Service

(District approval needed for community service hours)  
30 hours **(required for applicants)**



# FLORIDA POST-SECONDARY

## **COMMUNITY COLLEGE/ STATE COLLEGE REQUIREMENTS**

Although Florida's public community colleges have an "open admissions" policy, students should be aware that community colleges do require minimum test scores on the SAT or ACT for placement in college level English and mathematics classes. Students not possessing these minimum test scores may be required to first take remedial (non college credit) English and mathematics preparatory courses. Students should contact the community college of their choice to determine the test scores the public (or private) community college requires for placement in college credit course work.

## **MINIMUM REQUIREMENTS FOR ENTERING THE STATE UNIVERSITY SYSTEM IN FLORIDA**

The State University System (SUS) consists of 12 institutions providing limited access for postsecondary education. Admission into Florida's public universities is competitive. Acceptance is determined by enrollment limitations and qualifications of the freshmen applicant pool. It is recommended that students complete a rigorous curriculum in high school in an effort to increase their chances for acceptance. Eighteen (18) academic units in college preparatory courses are the specified MINIMUM requirements. Students and parents are advised to consider carefully the importance of elective coursework. Completion of the required 18 credits for SUS admission does NOT guarantee acceptance. Therefore, the stronger an applicant's academic preparation (including electives), the better are chances of admission in general and to the university of choice specifically. The following distribution of the 18 units is required.

## **CORE ACADEMICS-16 CREDITS**

### **ENGLISH**

4 credits—satisfied by the graduation requirements:

English 1, English Honors 1, English 2, English Honors 2, English 3, English Honors 3, English 4, English Honors 4, AP English: Language and Composition, AP English: Literature and Composition, English 1 through ESOL, English 2 through ESOL, English 3 through ESOL, English 4 through ESOL.

### **MATHEMATICS**

4 Credits — Algebra 1, Algebra 1 Honors, Algebra 2, Algebra 2 Honors, AP Calculus AB, AP Calculus BC, Pre Calculus, Geometry, Geometry Honors, AP Statistics, Analysis of Functions, Mathematics for College Readiness, Liberal Arts 1 & 2.

### **NATURAL SCIENCE**

3 Credits—two units must include substantial laboratory requirement.

Biology, Biology Honors, AP Biology, Anatomy and Physiology, Anatomy and Physiology Honors, Environmental Science, Marine Science, Marine Science Honors, Physical Science, Chemistry, Chemistry Honors, AP Chemistry, Physics, Physics Honors, AP Physics 1, AP Physics 2, AP Physics C, Astronomy Honors, AP Environmental Science, Zoology.

### **SOCIAL SCIENCE**

3 Credits—United States History, United States History Honors, AP United States History, Economics, Economics Honors, AP Macroeconomics, United States Government, United States Government Honors, AP United States Government, World History, World History Honors, AP World History.

### **WORLD LANGUAGES**

2 Credits—two years of sequential World Languages  
Spanish, German, American Sign Language, French.

### **ACADEMIC ELECTIVES**

2 Credits - In addition to the core academic credits, SUS applicants at a minimum need 2 additional academic electives. 2 credits in the following academic areas: Level 2 or Level 3 courses in:

English/Language Arts

Mathematics

Natural Science

Social Science

World Language

# NCAA COLLEGE ATHLETICS

To be certified by the NCAA Eligibility Center, you must:

- Graduate from high school. You should apply for certification by the end of your junior year if you are sure you wish to participate in athletics as a freshman at the college to which you will be admitted. The Eligibility Center will issue a preliminary certification report when you have had all your materials submitted. After you graduate, the Eligibility Center will review your final transcript to make a final certification decision, according to NCAA standards.
- Beginning August 1, 2016, NCAA Division I will require 10 core courses to be completed prior to the seventh semester (seven of the ten must be a combination of English, math or natural or physical science that meet the distribution requirements below).
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the following four sections: English, mathematics, reading, and science.
- When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT Scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.
- Remember, the NCAA GPA is calculated using NCAA core courses only.

For Division I: The minimum grade-point average in the 16 core courses and required ACT or SAT scores vary according to Initial Eligibility Index

Core Units Required for NCAA Certification	Division I	Division II
English Core	4 Years	3 Years
Math Core Algebra I or higher	3 Years	2 Years
Science Core	2 Years	2 Years
Social Science Core	2 Years	2 Years
Additional Credits From English, Math, or Science	1 Year	3 Years
Additional Core (English, Math, Science, Social Science, World Language, Computer Science, Philosophy, Nondoctrinal Religion)	4 Years	4 Years
Total Core Units Required	16	16
Minimum Core GPA	2.3	2.2

For Division II, there are sliding scales for prospective student-athletes. The minimum core GPA is 2.20. The minimum SAT is 920 (verbal & math), and the minimum ACT sum score is 70 for FULL Qualifiers.

These scales are available at [http://fs.ncaa.org/Docs/eligibility\\_center/Student\\_Resources/DII\\_ReqsFactSheet.pdf](http://fs.ncaa.org/Docs/eligibility_center/Student_Resources/DII_ReqsFactSheet.pdf)

DIVISION I QUALIFIER SLIDING SCALE					
Core GPA	SAT*	ACT Sum*	Core GPA	SAT*	ACT Sum*
3.550	400	37	2.750	810	59
3.525	410	38	2.725	820	60
3.500	430	39	2.700	830	61
3.475	440	40	2.675	840	61
3.450	460	41	2.650	850	62
3.425	470	41	2.625	860	63
3.400	490	42	2.600	860	64
3.375	500	42	2.575	870	65
3.350	520	43	2.550	880	66
3.325	530	44	2.525	890	67
3.300	550	44	2.500	900	68
3.275	560	45	2.475	910	69
3.250	580	46	2.450	920	70
3.225	590	46	2.425	930	70
3.200	600	47	2.400	940	71
3.175	620	47	2.375	950	72
3.150	630	48	2.350	960	73
3.125	650	49	2.325	970	74
3.100	660	49	2.300	980	75
3.075	680	50	2.299	990	76
3.050	690	50	2.275	990	76
3.025	710	51	2.250	1000	77
3.000	720	52	2.225	1010	78
2.975	730	52	2.200	1020	79
2.950	740	53	2.175	1030	80
2.925	750	53	2.150	1040	81
2.900	750	54	2.125	1050	82
2.875	760	55	2.100	1060	83
2.850	770	56	2.075	1070	84
2.825	780	56	2.050	1080	85
2.800	790	57	2.025	1090	86
2.775	800	58	2.000	1100	86

ACADEMIC REDSHIRT

The following courses are approved by the NCAA for use in establishing the certification status of student athletes:

English	Mathematics	Social Science	Natural/Physical Science	Additional Core Courses
English 1-4	Algebra 1 / Honors	American Gov. /Hon/AP	Anatomy/Physiology (Lab)	French 1, 2, 3
AP English Language	Geometry /Hon	American History / Hon / AP	Biology (Lab)/ Hon	AP French Language
AP English Literature	Algebra 2 / Hon	AP Macroeconomics	AP Biology	ASL 1, 2, 3, 4
Creative Writing 1-4	Pre-Calculus	Economics / Hon	Chemistry (Lab) / Hon	Spanish 1, 2, 3
English 1-4 ESOL	AP Calculus AB	Law Studies	AP Chemistry	AP Spanish Language
	AP Calculus BC	AP European History	Environmental Science	AP Spanish Literature
	Probability & Stats Honors	World History / Hon	Marine Science / Hon (Lab)	
		AP World History	Physical Science (Lab)	
		AP Human Geography	Physics/ Hon / AP (Lab)	
		AP Psychology	AP Physics	
			Astronomy/Hon	
			AP Environmental Science	
			Zoology (Lab)	

# CSI LAKE MARY

Forensic Science &  
Legal Studies

"Street Law"  
Speech & Law Studies  
1007300 2106350

**COMPREHENSIVE LAW  
HONORS**  
2106375

**FORENSIC CHEMISTRY H**  
2003350E  
+  
**FORENSICS I**  
2002480

**CONSTITUTIONAL LAW  
HONORS**  
2106468

**FORENSICS II**  
2002490

**SSC DUAL ENROLLMENT**  
PLA1003/BUL2241

**SSC DUAL ENROLLMENT**  
CCJ1020/CCJ1629

RAMS

# CSI Courses

## Forensic Science Classes

### FORENSIC CHEMISTRY 1 HONORS 20033500E

Grade 10 1 Credit

PREREQUISITE: BIOLOGY 1 AND ALGEBRA 1.

The purpose of this course is to introduce students to the study of the composition, properties and changes associated with the matter. Topics include, but are not limited to, atomic structure of matter, periodic table as an informational tool, types of chemical bonding, kinetic molecular theory, and water solutions. Laboratory activities and safe laboratory techniques are an essential component of the course and offer students an opportunity to become familiar with scientific instruments and methods with an emphasis on forensics.

### FORENSIC SCIENCE 1 2002480

Grade 10 1 Credit

PREREQUISITE: STREET LAW.

This Academic Science course is designed to prepare the student in the fundamental background of forensic science. The course will outline the roles and responsibilities of a forensic scientist, survey the different fields that use forensics and learn the skills needed to investigate basic crime scenes. Students must be ready to work independently, as well as in close group/class situations and in the outside environment. The course is appropriate for students interested in the study of forensic science, criminal justice, or crime scene investigations. Emphasis will be placed upon observation skills, documentation and presentation. This course is an elective and does not meet academic requirements for graduation, college admission, Bright Futures, or NCAA Clearinghouse.

### FORENSIC SCIENCE 2 2002490

Grade 11 1 Credit

PREREQUISITE: FORENSIC SCIENCE 1.

This second year course will further examine the many different applications and roles of Forensic Science investigations. The course will focus more on the application of forensic science assisting with Decomposition case, Shark bite analysis, Motor Vehicle accidents, Crime Scene Reconstruction and more. The course is most appropriate for college bound students interested in the study of forensic science, criminal justice or crime scene investigations. Emphasis will be placed upon observation skills, documentation, analyzing evidence and presentations. This course is an elective and does not meet academic requirements for graduation, college admission, Bright Futures, or NCAA Clearinghouse.

### SSC DUAL ENROLLMENT - FORENSIC SCIENCE

Grade 12 1 Credit CCJ1020/CCJ1629

PREREQUISITE: FORENSIC SCIENCE 2 AND 3.0 UNWEIGHTED GPA.

This is the fourth year of a continuation of the Forensic Science Program of Emphasis. The two courses offered through SSC will be Introduction To Criminal Justice (CCJ1020) in the Fall and Introduction to Homicide (CCJ1629) in the Spring. Students must have a 3.0 GPA in order to participate in Dual Enrollment.

## Legal Studies Classes

### STREET LAW

Grade 9 1/2 Credit

1007300 (Speech)

Grade 9 1/2 Credit

2106350 (Law Studies)

PREREQUISITE: NONE.

Street Law teaches and fosters critical thinking and analytical skills, while reinforcing a common-sense approach to problem-solving. Students will learn the foundations of our legal system and how those foundations continue to shape and guide our society today in a manner in which students can connect. Students will learn about some of the most famous and controversial legal cases in history and will have the opportunity to come to their own conclusions about the outcomes of those cases. Above all, students will develop and hone skills that will continue to serve them well beyond the classroom in an exciting and interactive environment.

### COMPREHENSIVE LAW HONORS

2106375

Grade 10 1 Credit

PREREQUISITE: STREET LAW.

Comprehensive Law Studies teaches that the American legal system is the foundation of American society. They will examine the components and processes associated with the American legal system and are provided with a comprehensive examination of the civil and criminal justice systems. The course will cover civil, criminal, business, juvenile, and family law. Students will think critically about and evaluate social values and their impact on the establishment and interpretation of laws, causes and consequences of crime, and the reasons for the distinctions between the adult and juvenile justice systems. Students will also get the opportunity to present cases and argue cases in mock trial exercises.

### CONSTITUTIONAL LAW HONORS

2106468

Grade 11 1 Credit

PREREQUISITE: COMPREHENSIVE LAW.

This course consists of the following content area strands: American History, World History, Geography, Humanities, Economics, and Civics and Government. The primary content for the course pertains to the study of major legal precedents and evolving judicial interpretations associated with the United States Constitution.

### SSC DUAL ENROLLMENT - LAW STUDIES

Grade 12 1 Credit

PLA1003/BUL2241

PREREQUISITE: 3.0 UNWEIGHTED GPA.

This is the fourth year of a continuation of the Law Studies Program of Emphasis. The two courses offered through SSC will be Torts (PLA2273) in the Fall and Business Law (BUL2241) in the Spring. Students must have a 3.0 GPA in order to participate in Dual Enrollment.



# **LAKE MARY HIGH SCHOOL**

## **COMPUTER PATHWAYS**

### **COMPUTER SCIENCE PATHWAY**

**Advanced Information Technology**

**Advanced Placement Computer Science Principles**

**Advanced Placement Computer Science A**

**Foundations of Programming**

### **WEB DEVELOPMENT PATHWAY**

**Digital Information Technology (optional)**

**Web Design 1**

**Web Design 2**

**Web Design 3**

**Web Design 4**

### **DIGITAL DESIGN PATHWAY**

**Digital Information Technology (optional)**

**Digital Design 1**

**Digital Design 2**

**Digital Design 3**

**Digital Design 4**

**Digital Design 5**

# CAREER & TECHNICAL EDUCATION

## Business Technology Education

<b>DIGITAL INFORMATION TECHNOLOGY</b>	<b>8207310</b>
Grades 9-12	1 Credit
9-12	
PREREQUISITE: NONE.	

This course is to prepare students to be successful both personally and professionally in an information-based society. Emphasis is placed on developing fundamental computer skills. Digital Information Technology includes the exploration and use of presentation applications, word processing, spreadsheets, email, and the integration of these programs using software that meets industry standards. This course also provides instruction in the basic principles of entrepreneurship and small business. **This course satisfies the Performing Fine Art requirement.**

### Industry Certifications Offered: \*Entrepreneurship and Small Business

<b>ADVANCED INFORMATION TECHNOLOGY</b>	<b>9007610</b>
Grades 9-12	1 Credit
9-12	
PREREQUISITE: NONE.	

This is an Honors level course that provides an overview of business information systems and their trends. Students learn foundational concepts related to computer hardware and software, networking, databases, programming, information systems and data security.

## Web Design Program

### Program #9001100

<b>FOUNDATIONS OF WEB DESIGN HONORS (WEB 1)</b>	<b>9001110</b>
<b>USER INTERFACE DESIGN HONORS (WEB 2)</b>	<b>9001120</b>
<b>WEB SCRIPTING FUNDAMENTALS HONORS (WEB 3)</b>	<b>9001130</b>
<b>MEDIA INTEGRATION ESSENTIALS HONORS (WEB 4)</b>	<b>9001140</b>

PREREQUISITE: SUCCESSFUL COMPLETION AT THE PREVIOUS LEVEL.

The Web Design Program begins with HTML/CSS and ends with JavaScript/PHP/SQL/Linux and hardware needed to deliver web interactive web content. Students master the coding languages needed to have a strong start in the programming and IT industry, adding the needed certifications along the way. Students take the courses in sequence or can enter the upper-level classes with permission from the instructor in the case the student has already developed their programming skills. An example of this might include a student who finished AP Computer Science A (Java) and is looking to expand their opportunities by studying JavaScript on a deeper level or Linux. In this case, Web 3 or 4 would be recommended..

Students are expected to take certification exams in each class.

### Industry Certifications Offered: \*CIW Advanced HTML/CSS \*CIW JavaScript \*CIW Database Design Specialist \*CompTIA Linux +

## Computer Programming

<b>FOUNDATIONS OF PROGRAMMING HONORS</b>	<b>9007210</b>
Grades 9-12	1 Credit
9-12	
PREREQUISITE: STRONG MATH SKILLS RECOMMENDED.	

This course introduces concepts, techniques, and processes associated with computer programming and software development. Using computational thinking skills, cycle methodologies, sequential algorithms and looping structures, students will develop their coding skills while creating iOS apps.

### Industry Certifications Offered: \* Apple App Development with Swift Certified User \* Python Coding Specialist

<b>AP COMPUTER SCIENCE PRINCIPLES</b>	<b>0200335</b>
Grades 9-12	1 Credit
9-12	
PREREQUISITE: ALGEBRA 1.	

AP Computer Science Principles is an introductory college-level computing course that introduces students to the essential ideas for computer science. Along with creating apps students will learn how computer science impacts people and society. The major areas of study in the AP Computer Science Principles course are organized around 5 Big Ideas which are essential to studying computer science: Creative Development, Data, Algorithms & Programming, Computer Systems and Networks, and Impact of Computing. Computer science prepares all students to be active and informed consumers and contributors to our increasingly technological society whether they pursue careers in technology or not. APCSP is known as "Computer Science for ALL."

<b>AP COMPUTER SCIENCE A</b>	<b>0200320</b>
Grade 10-12	1 Credit
10-12	
PREREQUISITE: ALGEBRA 1 AND AP COMPUTER SCIENCE PRINCIPLES.	

This class emphasizes programming methodology and procedural abstraction including the study of data structures and data abstraction. Topics include object-oriented programming, designing classes, GUI (graphical user interface), arrays, searching, and sorting algorithms. Java is the programming language used for implementing computer based solutions to problems. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

# CAREER & TECHNICAL EDUCATION

## Diversified Occupation (Job-Credit Program)

### **SENIOR SUCCESS/PERSONAL FINANCE (DCT 1) 8303010**

Grades 11-12 1 Credit

PREREQUISITE: NONE.

This course is designed for both the college-bound student and the vocational/technical student and is open for enrollment to juniors and seniors. The focus is to provide students with the skills necessary to be successful in the "real world". Topics of interest include: the employment process with an emphasis on interviewing skills, budgeting for independent living (What it takes to move out on your own), personal finance, business management and entrepreneurship, career exploration, study skills and time management techniques for college/ personal success and much more! Students enrolled in this course are eligible for early release, on the job training (OJT) elective credits these can be taken concurrently.

### **DIVERSIFIED CAREER TECHNOLOGY 2 (DCT 2) 8303020**

Grades 11-12 1 Credit

PREREQUISITE: SENIOR SUCCESS (DCT 1 8303010)

### **DIVERSIFIED CAREER TECHNOLOGY MANAG. (DCT 3) 8303030**

Grades 11-12 1 Credit

PREREQUISITE: DIVERSIFIED CAREER TECHNOLOGY 2 (8303020).

Students will continue with a more focused and in-depth study of Business Management as well as other topics listed above.

### **DIVERSIFIED CAREER TECHNOLOGY (OJT)**

7th period	830041007
6th period	830041006
5th period	830041005
4th period	830041004
3rd period	830041003
2nd period	830041002
1st period	830041001

Grades 11-12 Up to 7 Credits

PREREQUISITE: SENIOR SUCCESS (DCT 1 8303010).

This course is designed to enable each student to demonstrate competencies in a specific career and to demonstrate legal and ethical behavior within the role and scope of job responsibilities through a realistic, on-the-job training experience. An individualized training plan is developed and utilized to ensure that training is provided which will develop the necessary competencies/skills in order for the student to become competent in the occupation for which he/ she is being trained. The training plan is the "curriculum" for the on-the-job training. Use appropriate course number for each period, beginning with period 7. If registering for multiple credits, you must choose sequential periods.

## **COOPERATIVE DIVERSIFIED EDUCATION (CDE)**

7th period	830042007
6th period	830042006
5th period	830042005
4th period	830042004
3rd period	830042003
2nd period	830042002
1st period	830042001

Grade 12 Up to 7 Credits

PREREQUISITE: CURRENT OR COMPLETED CAREER EDUCATION CLASS.

Students will receive credit for working at a job that is related to a career education class he/she has taken or is currently taking in high school. Students must work a minimum of 5 hours per week for each period enrolled. The employer will evaluate the student's job performance each nine weeks. Students may earn up to 7 credits. Students must be in grade 12, at least 16 years of age, and must have transportation in order to leave campus immediately following the last class scheduled on campus. Use the appropriate course number for each period, beginning with 7th period. If registering for multiple credits, you must choose sequential periods.

# Career & Technical Education

## Early Childhood Education Program

<b>EARLY CHILDHOOD EDUCATION 1</b>	<b>8405110</b>
<b>EARLY CHILDHOOD EDUCATION 2</b>	<b>8405120</b>
<b>EARLY CHILDHOOD EDUCATION 3 HONORS</b>	<b>8405130</b>
<b>EARLY CHILDHOOD EDUCATION 4 HONORS</b>	<b>8405140</b>

PREREQUISITE: SUCCESSFUL COMPLETION AT THE PREVIOUS LEVEL.

**Early Childhood Education 3 satisfies the Performing Fine Art requirement.**

Early Childhood Education 1 is an introductory course for the student who enjoys working with and coaching young children. Students gain a better understanding of child development principles and theories leading to a future in teaching or other child oriented professions. This course covers the competencies that support the DCF 40 hour mandatory training course work in Rules and Regulations; Child Abuse and Neglect; Health, Safety & Nutrition; Child Growth & Development; Understanding Developmentally Appropriate Practices; Preschool Appropriate Practice; and Behavioral Observation & Screening. Students enrolled in this course should plan to register with DCF to take the 7 competency exams. Also included are components on communication skills, professionalism, methods of guidance, literacy activities, and lesson planning.

Early Childhood Education 2, 3, and 4, are a continuation of ECE 1 with a more in-depth study of early childhood curriculum and actual teaching experience in our laboratory school. These courses are for highly motivated students who have developed a passion for working with preschool aged children. Students will develop themes and weekly activities; observe growth and development skills of preschool children as well as learn all the aspects of operating a real preschool. Level 2 students receive ServSafe training and the opportunity to take the ServSafe industry certification exam. Level 3 students may earn up to 6 college credits through Seminole State College and the Career Pathways program. Level 4 students will further their knowledge of children's brain development and have the opportunity to earn their Child Development Associate credential (CDA). This is a national certification that is needed to be a lead teacher in a preschool or VPK program.

Students are expected to take certification exams in each class.

**Industry Certifications Offered:**  
\* ServSafe

**Early Childhood Education 2, 3, & 4 qualify for Gold Seal.**

## Family and Consumer Science

<b>CULINARY ARTS 1</b>	<b>8800510</b>
Grades 9-12	1 Credit

This course covers the history of the food service industry and careers in that industry. Also covered are safety in the workplace; employability skills; leadership/teamwork skills; care and use of commercial culinary equipment; basic food science; basic nutrition; and following recipes in food preparation labs.

<b>CULINARY ARTS 2</b>	<b>8800520</b>
Grades 10-12	1 Credit

In this course students will learn state mandated guidelines for food service; how to attain food handler training certification; and perform front-of-the-house and back-of-the-house duties. Students will prepare quality food products and present them creatively; demonstrate safe, sanitary work procedures; understand food science principles related to cooking and baking; and utilize nutrition concepts when planning meals/menus.

## Personal Trainer Program

<b>PERSONAL TRAINER 1</b>	<b>8907100</b>
<b>PERSONAL TRAINER 2</b>	<b>8907120</b>

Grades 10-12 1 Credit

PREREQUISITE: NONE

The students will understand the most important components of physical fitness. Body composition, cardiopulmonary endurance, flexibility, muscular endurance, and muscle strength will be explained and demonstrated. Physical activity, exercise and fitness terms will be clarified so that the students can describe the difference between health-related fitness and fitness conditioning. Physical fitness training principles such as the principles of adaptation, progressive overload, specificity, and program progression will be clearly defined in this section. These training principles will lead to defining what is the specificity principle and dynamic stretching. Basic understanding of these concepts will lead them to the next section of kinesiology and the muscular system.





# Career & Technical Education

## Digital Design Program

*DIGITAL DESIGN 1	8209510
*DIGITAL DESIGN 2 HONORS	8209520
*DIGITAL DESIGN 3 HONORS	8209530
*DIGITAL DESIGN 4 HONORS	8209540

PREREQUISITE: SUCCESSFUL COMPLETION AT THE PREVIOUS LEVEL.

Students learn to electronically create and publish newsletters, fliers, greeting cards, brochures, stationery, magazine covers, business cards, image composites and manipulations, and logos. Students will become proficient in industry standard programs and knowledgeable of best design practices.

These courses involve advanced electronic applications in creating and publishing real projects for teachers and staff such as passes, forms, certificates, programs, shirts, and various other projects.

Students will be able to gain experience in image editing, vector drawing, publishing, video editing, and animation software. More than one course may be taken concurrently.

Students are expected to take certification exams in each class.

### Industry Certifications Offered:

- \* Adobe InDesign
- \* Adobe Photoshop
- \* Adobe Animate
- \* Adobe Illustrator
- \* Adobe Premiere

## Television Production Program

TV PRODUCTION 1	8201510
TV PRODUCTION 2	8201520
TV PRODUCTION 3 HONORS	8201530
TV PRODUCTION 4 HONORS	8201540
TV PRODUCTION 5 HONORS	8201550
TV PRODUCTION 6 HONORS	8201560
TV PRODUCTION 7 HONORS	8201570

PREREQUISITE: SUCCESSFUL COMPLETION AT THE PREVIOUS LEVEL.

**TV Production 1 & 2 satisfies the Performing Fine Art requirement.**

TV Production Technology provides students with hands-on experience in the classroom as well as out in the field where they learn how to organize, produce, shoot, edit, and distribute video projects. This course requires students to be dedicated, motivated, and professional while being able to work well with others and being capable of working independently in a lab setting. All students are expected to earn industry certification, and upper level students can receive honors credit and the opportunity to be in WRAM News in addition to earning 4 credits into Seminole State College through Career Pathways testing.

Students are expected to take certification exams in each class.

### Industry Certifications Offered:

- \* Adobe Premier Pro

# CAREER & TECHNICAL EDUCATION

## Drafting & Computer-Aided Design Program

TECHNICAL DESIGN 1 (C.A.D. 1)	8401010
TECHNICAL DESIGN 2 (C.A.D. 2)	8401020
TECHNICAL DESIGN 3 (C.A.D. 3)	8401030
ADVANCED TECH. APPLICATIONS (C.A.D. 4)	8601900

GRADES 9-12

PREREQUISITE: SUCCESSFUL COMPLETION AT THE PREVIOUS LEVEL.

**Technical Design 1 satisfies the Performing Fine Art requirement.**

This course is designed with emphasis on Mechanical, Engineering, Architecture, and 3D Modeling. The course includes introduction and advanced computer-aided design (CAD) with work completed in AutoCAD. Emphasis is placed on neatness and accuracy in both board and computer-aided drawings. An understanding of working with fractions, decimals and basic math is essential for the course. This course satisfies the Fine Arts requirement.

The advanced courses are designed with emphasis on Advanced Mechanical, Engineering and Architecture and Computer-Aided Design. In-depth 3D Modeling & Printing principles are explored. Architectural Model Building (1/4" Scale House Models) in both group and individual setting is achieved. Emphasis is placed on visualization and interpretation of advanced drawings with an increase in independent lab work. Students will also have the opportunity to get Industry Certified by passing the AutoCAD User Exam.

**Dual enrollment is an integral part of the course. All Dual Enrollment Drafting/CAD courses are taught at Lake Mary High School. At the end of the four year program students will be able to earn 12 college credits and have their GPA weighted 5.0 for four semesters. See page 5 for further details on those courses.**

Students are expected to take certification exams in each class.

**Industry Certifications Offered:**  
\* AutoCAD

## Digital Photography Program

DIGITAL PHOTOGRAPHY 1	8201310
DIGITAL PHOTOGRAPHY 2	8201320
DIGITAL PHOTOGRAPHY 3	8201330
DIGITAL PHOTOGRAPHY 4	8201340
DIGITAL PHOTOGRAPHY 5	8201350
DIGITAL PHOTOGRAPHY 6	8201360
DIGITAL PHOTOGRAPHY 7	8201370

GRADES 9-12

PREREQUISITE: SUCCESSFUL COMPLETION AT THE PREVIOUS LEVEL.

Courses 1, 2, & 3 must be taken in sequence. Once students reach course 3, they may take courses 4-7 in combination with each other. For example, a junior is course 3, may also be in course 4, then as a senior, take courses 5, 6, & 7 if schedules allow for multiple periods.

The Digital Photography courses are designed to be career preparatory courses where students learn skills that reflect all genres of photography, including portraits, events, sports, product, food, and fine art. Students also have the opportunity to work toward Industry Certifications in Adobe products that include Photoshop and Premier Pro.

Digital Photography 1 course is an overview of photography and image editing. As student advance through the course levels, each course focuses on different area of photography, which include, developing an artistic direction and style, fine art conceptual work, natural and studio lighting, using backgrounds and props, creating storytelling video with a DSLR, creating photographic illustrations, establishing a personal brand for photographic work, using alternative processes outside digital photography, and developing a photographic portfolio.

Students are expected to take certification exams in each class.

**INDUSTRY CERTIFICATIONS OFFERED:**  
\* Adobe Photoshop (Primary)  
\* Adobe Illustrator  
\* Adobe Premier Pro  
\* Adobe Dreamweaver  
\* Adobe InDesign  
\* Adobe Animate

## AP PHOTOGRAPHY

**01093500P**

Grades 10-12

1 Credit

PREREQUISITE: DIGITAL PHOTOGRAPHY 1 (8201310)

This course is designed for the highly motivated student who plans to take art at the college level. The work in an AP class requires significantly more commitment and accomplishment than the typical high school art program. Students must be capable of independent study and research. They will be expected to work outside of class to complete the necessary requirements. 2-D Studio Art Portfolio (Photography) is designed to address a very broad interpretation of 2-D design issues as they relate to photography. This portfolio focuses on using the elements and principles of art in an inventive and integrative way using the medium of photography. Each student must submit a portfolio for evaluation by the Advanced Placement Board in May. Based on the results of the Advanced Placement Exam, college credit may be awarded by participating colleges and universities.

# CAREER & TECHNICAL EDUCATION

## Notice:

The following courses require extensive use of power tools. LMHS reserves the right to advise students about safe shop practices and may recommend that students who habitually violate safety rules lose their shop privileges.

### Advanced Manufacturing & Technology Program

<b>ADV MANUFACTURING &amp; TECHNOLOGY 1 HONORS</b>	<b>9200210</b>
<b>ADV MANUFACTURING &amp; TECHNOLOGY 2 HONORS</b>	<b>9200220</b>
<b>ADV MANUFACTURING &amp; TECHNOLOGY 3 HONORS</b>	<b>9200230</b>
<b>ADV MANUFACTURING &amp; TECHNOLOGY 4 HONORS</b>	<b>9200240</b>

GRADES 9-12

PREREQUISITE: SUCCESSFUL COMPLETION AT THE PREVIOUS LEVEL.

**This program offers a broad foundation of knowledge and skills to prepare students for employment in Manufacturing, Mechatronics, Automation, Engineering Technology & Production positions.** This course covers safety, the basics of mechanical components, and will provide a foundation of knowledge and technically oriented experiences in the study of CNC (Computer Numerical Control), CAD (Computer Automated Design), automation and production technology, its application in manufacturing, engineering and robotics, and its effect upon our lives and the choosing of an occupation.

Based upon a physical system, students will learn the basic functions and physical properties of mechanical components as well as electrical drives (AC and DC), and the roles they play within the system. Students will learn about mechanical components which lead and support energy through a mechanical system to increase efficiency and to reduce wear and tear. Materials, lubrication requirements and surface properties will be examined. Technical documentation such as data sheets and specifications of mechanical elements as well as PLC's and electrical drives in a complex mechatronic system will be covered. By understanding the inner-workings of the complete system, students will learn and apply troubleshooting strategies to identify, localize and (where possible) correct malfunctions. Preventive & predictive maintenance of mechanical elements and electrical drives as well as safety issues within the system will be discussed. This program focuses on transferable skills and stresses understanding and demonstration of the technological tools, machines, instruments, materials, processes and systems in business and industry.

**Students are expected to take certification exams in each class.**

#### Industry Certifications Offered:

- \* NIMS - National Institute for Metalworking Skills**
- \* MSSC - Manufacturing Skill Standards Council**

### Building Trades & Construction Program

<b>BUILDING TRADES &amp; CONST DESIGN TECH 4 HONORS</b>	<b>8722040</b>
---	----------------

GRADES 9-12

PREREQUISITE: SUCCESSFUL COMPLETION AT THE PREVIOUS LEVEL.

The purpose of this pathway is to provide students with competencies in construction trade fields of employment. In year one, they are focusing heavily on proper use of equipment (how to use and safety practices) and basic fundamentals of the trade. In the more advanced classes, students spend their time gaining hands on experience with these tools and will begin to be exposed to the leadership opportunities of a job site. Construction trades will include: carpentry, roofing, plumbing, electrical, masonry, and heavy equipment technologies. All students will participate in preparation for industry certification in building construction. Training in OSHA safety standards, and First Aid/CPR may also be offered during the course. Juniors and Seniors who meet eligibility requirements may be able to obtain paid, pre-apprenticeship summer employment through the Academy of Construction Technologies. Additionally, student will be exposed to liaisons from the construction trade industry through a new program known as iBuild (Central Florida). Scholarship opportunities are available.

**Students are expected to take certification exams in each class.**

#### Industry Certifications Offered: \* Home Builders Institute

### Aeronautics Program

<b>PRINCIPLES OF AERONAUTICAL SCIENCE</b>	<b>ASC1000</b>
<b>UNMANNED AIRCRAFT SYSTEMS</b>	<b>ASC2560</b>
Grades 10-12	1/2 Credit each
PREREQUISITE: NONE	

PREREQUISITE: MUST HAVE EITHER TAKEN PHYSICS AND ALGEBRA 2 OR TAKE CONCURRENTLY

This course is a survey of unmanned aircraft systems (UAS), emphasizing the military and commercial history, growth, and application of UASs. The course will include basic acquisition, use, and operation of UASs with an emphasis on operations.

**Students are expected to take certification exams in each class.**

#### Industry Certifications Offered: \* Unmanned Aeronautical Systems

# LANGUAGE ARTS

**ENGLISH 1** 1001310  
**ENGLISH 1 HONORS** 1001320  
**ENGLISH 1 HONORS (PRE-AP)** 1001415

PREREQUISITE: INTEREST IN ADVANCED PLACEMENT ENGLISH.

**ENGLISH 1 GIFTED/TALENTED** 1001320L

PREREQUISITE: OPEN TO STUDENTS WITH GIFTED PLACEMENT.

Grade 9 1 Credit

These courses develop a student's ability to read perceptively and to write accurately and effectively. Organized around genres, this course allows students to study short stories, speeches, nonfiction, memoirs, novels, dramas, and poetry. Writing progresses from the construction of single paragraphs to multi-paragraph compositions, developing students' skills in crafting both explanatory and argumentative essays. Throughout the year, the course emphasizes reading, vocabulary, grammar, and punctuation instruction that aligns with the ELA B.E.S.T. standards and with the skills assessed on both the SAT and the Florida State Assessment. Representative readings include Homer, The Odyssey; Shakespeare, The Tragedy of Romeo and Juliet; Connell, The Most Dangerous Game.

**ENGLISH 2** 1001340  
**ENGLISH 2 HONORS** 1001350  
**ENGLISH 2 HONORS (PRE-AP)** 10013500P

PREREQUISITE: INTEREST IN ADVANCED PLACEMENT ENGLISH.

**ENGLISH 2 GIFTED/TALENTED** 1001350L

PREREQUISITE: OPEN TO STUDENTS WITH GIFTED PLACEMENT.

Grade 10 1 Credit

These courses continue the development and application of critical thinking skills and relevant language skills, both written and verbal, for college and the workplace. Students practice skills presented on the Florida B.E.S.T. standards assessment. These courses meet graduation requirements for English.

**ENGLISH 3** 1001370  
**ENGLISH 3 HONORS** 1001380  
Grade 11 1 Credit

These courses extend grammar, composition, and vocabulary skills and continue instruction in writing with emphasis on multi-paragraph essays and a documented paper with a focus on American Literature. Applied technical strategies are used to enhance oral and written communication and higher level thinking skills. These courses meet graduation requirements for English.

**ENGLISH 4** 1001405  
**ENGLISH 4 HONORS** 1001410  
Grade 12 1 Credit

These courses incorporate reading and writing study through writing a variety of informative text using grade-level writing craft and through in-depth reading and analysis of literary selections, students critical reading and writing skills necessary for success in college courses and successful completion of Florida college English courses. The benchmarks reflect the Florida College Competencies necessary for entry-level college courses and are also related to the College and Career Readiness (CCR) anchor standards, the exit standards of Florida's B.E.S.T. Standards. These courses meet graduation requirements for English.

**AP ENGLISH LANGUAGE & COMPOSITION** 1001420  
Grade 11 1 Credit

PREREQUISITE: NONE, ENGLISH 2 HONORS SUGGESTED.

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum. This course intends to "cultivate the reading and writing skills that students need for college success and for intellectually responsible civic engagement. The course guides students in becoming curious, critical, and responsive readers of diverse texts and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes." The reading and writing should deepen and expand their understanding of how written language functions rhetorically: "to communicate writers' intentions and elicit readers' responses in particular situations." We focus on thematic units of study to foster student understanding of interconnectedness and synthesis of ideas. Based on the results of the national exam in May, students may be awarded college credit. This course meets graduation requirements for English.

**AP ENGLISH LITERATURE & COMPOSITION** 1001430  
Grade 12 1 Credit

PREREQUISITE: AP ENGLISH LANGUAGE & COMPOSITION

This college-level course engages students in the careful reading and critical analysis of imaginative literature and develops student sensitivity to literature as a shared experience. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes, as well as much smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. The course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. Writing is an integral part of the course. Writing assignments focus on the critical analysis of literature and include three-column analysis journals that explore both poetry and prose text and full-length literary argument essays that respond to an AP style prompt regarding a particular poem, prose passage, or full-length novel or play of literary merit. Students enrolled in this course must be able to budget their time, work both independently and cooperatively, and be extremely self-disciplined.



# LANGUAGE ARTS

<b>DEBATE 1</b>	<b>1007330</b>
<b>DEBATE 2</b>	<b>1007340</b>
<b>DEBATE 3 HONORS</b>	<b>1007350</b>
<b>DEBATE 4 HONORS</b>	<b>1007360</b>

Grades 9-12 1 Credit

PREREQUISITE: PREVIOUS COURSE IN SERIES.

Debate covers the principles of persuasion, argumentation, critical thinking, and strategy to interesting current events, philosophy and public policy. Students will need to bring an open mind and a desire to argue from varying points of view. This class is particularly appropriate for anyone looking to pursue a rewarding career in law, business, or politics. Students have the option of joining the debate team. **This course satisfies the Performing Fine Art requirement.**

## **THEATER HISTORY & LIT. HONORS (FILM)** **0400360**

Grades 11-12 1 Credit

PREREQUISITE: NONE.

This course includes the study of film and theater, with an emphasis on film. These classes consist of the history and background of film making, study of camera-work as it relates to meaning, significant film genres and significant film makers including their major works. The classes focus on analyzing and valuing film beyond its role as simple entertainment. These are HONORS level classes and students should expect that level of focus and study. **This course satisfies the Performing Fine Art requirement.**

## **CREATIVE WRITING 1 & 2** **1009320**

Grades 9-12 1 Credit

PREREQUISITE: NONE

These combined courses allow students to use personal experiences, feelings, and opinions to produce creative literature as they write for pleasure and possible publication in the genres of fiction and poetry. Students will study genres of poetry, showing and not telling, characterization, word choice, fictional time and place, imagery, figures of speech, story form, sound and rhythm, point of view, theme, and symbol. Student writing is shared in small and large groups providing feedback for the authors and instructor. Students will also learn skills in Adobe software for the use of producing their own creative magazine.

## **CREATIVE WRITING (ESSENCE LITERARY MAGAZINE)**

### **CREATIVE WRITING 3 HONORS** **1009331**

### **CREATIVE WRITING 4 HONORS** **1009332**

### **CREATIVE WRITING 5 HONORS** **1009333**

Grades 10-12 1 Credit each

PREREQUISITE: CREATIVE WRITING 1 & 2.

Students will produce the *Essence Literary Magazine* with Adobe software. They also aid in the selection of submissions from the entire campus for the publication. Students will also study characterization, word choice, fictional time and place, imagery, figures of speech, story form, sound and rhythm, point of view, symbolism, and various authors independently as they explore their writing abilities.

## **English Language Learners**

### **DEVELOPMENTAL LANGUAGE ARTS ESOL** **1002381**

Grades 9-12 1 Credit each

PREREQUISITE: STUDENTS MUST BE STAFFED INTO THE ESOL PROGRAM.

The purpose of this course is to provide instruction to English Language Learners in the language arts skills of listening, speaking, reading, and writing.

### **ENGLISH 1 THROUGH ESOL** **1002300**

### **ENGLISH 2 THROUGH ESOL** **1002310**

### **ENGLISH 3 THROUGH ESOL** **1002320**

### **ENGLISH 4 THROUGH ESOL** **1002520**

GRADES 9-12 1 CREDIT EACH

PREREQUISITE: STUDENTS MUST BE STAFFED INTO THE ESOL PROGRAM.

The purpose of all ESOL courses is to provide instruction to English language learners who are classified as less than independent in English. The main goal of the program is the acquisition of English communication skills. The course may be used for up to 4 English credits to satisfy the graduation requirements, one per year. These courses fulfill the requirements consistent with English 1, English 2, English 3, and English 4.

# LANGUAGE ARTS

## JOURNALISM 2

Grades 9-12

1 Credit

10063100

PREREQUISITE: NONE.

This course provides an introduction to American media and writing for publication. Students will learn journalistic writing styles and explore aspects related to news media, including marketing, photography, and graphic design/layout. This course is ideal for students who might be interested in working on the school newspaper or yearbook production.

**This course satisfies the Performing Fine Art requirement.**

## CHRYSOMALLUS YEARBOOK

**YEARBOOK 1 HONORS**

**10063310YB**

**YEARBOOK 2 HONORS**

**10063320YB**

**YEARBOOK 3 HONORS**

**10063330YB**

Grades 10-12

1 Credit each

PREREQUISITE: JOURNALISM 2 AND COMPLETED APPLICATION PROCESS.

Make history and learn more than 30 different skills in marketing, journalism and publication as a member of the Chrysomallus staff. Yearbook responsibilities include interviewing, writing, and photographing school events, team sports, and various journalistic assignments. Students will learn graphic design/layout and photo editing using Adobe InDesign and Photoshop applications. Yearbook staff members also participate in many other aspects related to publication, such as business, production planning, and technology. Students may apply for editor positions that allow them to gain managerial experience. This course requires some after-school obligations related to event coverage, marketing efforts, training, production and distribution.

## INTRODUCTION TO JOURNALISM (SOCIAL MEDIA)

1006375

Grades 9-12

1/2 Credit

PREREQUISITE: HONORS LEVEL ENGLISH RECOMMENDED.

This course will enable students to develop knowledge of the narrative parallels between traditional (print) literary texts and 21st century (multimedia in all its digital platforms) texts. Through integrated educational experiences of extensive viewing and reading, writing, speaking, listening, and language, students will study a variety of digital platforms, film, and television, including the use of graphics in these formats.

## RAMPAGE DIGITAL NEWSPAPER

**NEWSPAPER 1 HONORS**

**10063310NP**

**NEWSPAPER 2 HONORS**

**10063320NP**

**NEWSPAPER 3 HONORS**

**10063330NP**

Grades 10-12

1 Credit each

PREREQUISITE: HONORS ENGLISH OR ABOVE.

The Rampage is a good choice for anyone looking to explore an exciting and rewarding career in digital media, public relations, public office or advertising. You will also publish articles online and social media that represent the views and opinions of the student body. Students will have access to the latest social media technology and industrial methods to develop the school online newspaper. This is a student led class and leadership positions are available and encouraged.

## Reading

Students in grades 9 and 10 who do not meet the requirements for satisfactory performance in English language arts, may be enrolled the following year in accelerated reading support program.

Schools will continue to make decisions that are in the best interest of each student regarding course enrollment and instructional support for students entering their senior year who have not demonstrated college readiness on the SAT, ACT, or through mastery of standards in mathematics or English language arts courses. Acceleration support courses taken in grades 9-12 may be taken only as elective credits for high school graduation. Acceleration support instruction may not be in lieu of English credits required for graduation.

### CAR-PD

The District “may serve students who do not need instruction in decoding and text reading efficiency in content area classes through a content area reading intervention. Teachers of these classes must complete the one hundred fifty (150) hour Content Area Reading Professional Development (CAR-PD) package, or complete the Next Generation Content Area Reading Professional Development (CAR-PD) [package].”

Although state assessment scores are traditionally released in June, pre-scheduling of students occurs prior to the end of each school year. This means that a summer review of the latest test scores may change a student’s schedule. The following course codes will be used for registering into Reading classes:

1001412A	1 Credit	9th
1000414A	1 Credit	10th
1000416A	1 Credit	11th
1000418A	1 Credit	12th



# MATHEMATICS

## **ALGEBRA 1** **1200310** **ALGEBRA 1 HONORS** **1200320**

Grades 9-12 1 Credit

PREREQUISITE: NONE.

This course includes a rigorous, in-depth study of all of the topics included in Algebra I as well as absolute value equations and inequalities, operations with rational expressions, solving rational equations and characteristics of quadratic graphs. Additionally, students will work on test taking skills and problem solving techniques to prepare for the Florida Benchmark Assessments.

## **GEOMETRY** **1206310** **GEOMETRY HONORS** **1206320**

Grades 9-11 1 Credit

PREREQUISITE: ALGEBRA 1 OR ALGEBRA 1 HONORS

## **GEOMETRY GIFTED** **1206320L**

Grades 9-10 1 Credit

PREREQUISITE: ALGEBRA 1 HONORS. OPEN TO STUDENTS WITH GIFTED PLACEMENT.

This course includes a rigorous, in-depth study of all of the Geometry topics as well as, but not limited to: in depth constructions, Cavalieri's principle, proving and applying laws of sines and cosines in non-right triangles, and conic sections. It is strongly recommended that students taking this course have successfully completed their previous math course. Additionally, students will work on test taking skills and problem solving techniques to prepare for the EOC.

## **MATH FOR COLLEGE LIBERAL ARTS** **1207350**

Grades 11-12 1 Credit

PREREQUISITE: MATH FOR COLLEGE ALGEBRA OR ALGEBRA 2

In Mathematics for College Liberal Arts, instructional time will emphasize five areas: (1) analyzing and applying linear and exponential functions within a real-world context; (2) utilizing geometric concepts to solve real-world problems; (3) extending understanding of probability theory; (4) representing and interpreting univariate and bivariate data and (5) developing understanding of logic and set theory.

## **ALGEBRA 2** **1200330**

### **ALGEBRA 2 HONORS** **1200340**

Grades 9-12 1 Credit

PREREQUISITE: GEOMETRY OR GEOMETRY HONORS.

### **ALGEBRA 2 GIFTED** **1200340L**

Grades 9-12 1 Credit

PREREQUISITE: GEOMETRY HONORS. OPEN TO STUDENTS WITH GIFTED PLACEMENT.

This course is designed to continue the study of the structure of Algebra by providing the foundations for applying these skills to other math and science fields. Topics include, but are not limited to: complex numbers, polynomial functions and their inverses, systems of linear and nonlinear equations and inequalities, polynomials, rational and radical functions, reciprocal functions, exponential and logarithmic functions, and graphing transformations of all the previously named functions along with trigonometry, sequences and series, conditional probability, normal distributions, introductory inference and margin of error, categorical and quantitative variable statistical analysis. This course will utilize the TI-83 or TI-84 series of graphing calculators. A rental program is available through the Math Department on a limited basis.

## **PROBABILITY & STATISTICS HONORS** **1210300**

Grades 10-12 1 Credit

PREREQUISITE: ALGEBRA 2.

This course is designed to give students the tools needed to enable them to answer reasonable and theoretical practices with real-life applications. Topics include, but are not limited to, permutations and combinations, probability distributions, normal distributions, Central Limited Theorem, sampling techniques, measures of central tendencies and variability, linear regression, confidence intervals, and hypothesis tests of means and proportions. This course will utilize the TI-83 or TI-84 series of graphing calculators. A rental program is available through the Math Department on a limited basis.

# MATHEMATICS

## MATHEMATICS FOR COLLEGE ALGEBRA

1200700

Grades 11-12

1 Credit

PREREQUISITE: GEOMETRY

This course is designed to meet the needs of seniors who plan to attend college. Projects designed to help students research and apply to colleges, make a preliminary two-year course plan, and schedule first semester college classes will be incorporated throughout the year. Topics include but are not limited to simplify polynomial expressions with math properties and exponents, prove polynomial identities, simplify and solve rational and radical equations, solve systems of equations graphically and algebraically, transform polynomial functions, statistical linear regression analysis, and analyze domain and range. The standards align with the Mathematics Postsecondary Readiness Competencies deemed necessary for entry-level college courses.

## AP PRE-CALCULUS

Grades 10-12

1 Credit

PREREQUISITE:

ALGEBRA

2

HONORS.

In AP Pre-Calculus, students explore everyday situations and phenomena using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, an important practice for thriving in an ever-changing world. AP Precalculus prepares students for other college-level mathematics and science courses. Through the course, students strengthen their procedural and symbolic fluency skills needed for higher level mathematics. While studying each function type, students solve equations and construct equivalent analytic representations in both contextual and purely mathematical settings.

## CALCULUS HONORS

1202300

Grades 10-12

1 Credit

PREREQUISITE: PRE-CALCULUS

This course is designed to provide a foundation for the study of advanced mathematics. Topics include, but are not limited to functions and graphs, limits, continuity, derivatives and integrals with applications, optimization, velocity, acceleration, rates of change, anti-derivatives, Riemann Sums, and the Fundamental Theorem of Calculus.

## AP STATISTICS

1210320

Grades 10-12

1 Credit

PREREQUISITE: ALGEBRA 2 HONORS

**NOTE: Only 12th grade students can take as their only math class.**

This course is designed for the highly motivated college-bound student. The purpose of the AP course in Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The four broad conceptual themes are exploring data, planning a study, anticipating patterns in advance (simulation), and statistical inference. Based on the results of the AP exam, college credit may be awarded by participating colleges and universities. This course will utilize the TI-83 or 84 series of graphing calculators. A rental program is available through the Math Department on a limited basis.

## AP CALCULUS AB

1202310

Grades 11-12

1 Credit

PREREQUISITE: PRE-CALCULUS

AP Calculus AB is designed for the highly motivated college-bound student who wishes to pursue college level work while still in high school. This course is designed for students who have a thorough knowledge of college preparatory mathematics and elementary (algebraic, trigonometric, exponential, and logarithmic) functions. AB (Calculus 1) topics include limits and continuity, derivatives and integrals, and their applications. Based on the results of the AP exam, college credit may be awarded by participating colleges and universities. This course will utilize the TI-83 or 84 series of graphing calculators. A rental program is available through the Math Department on a limited basis.

## AP CALCULUS BC

1202320

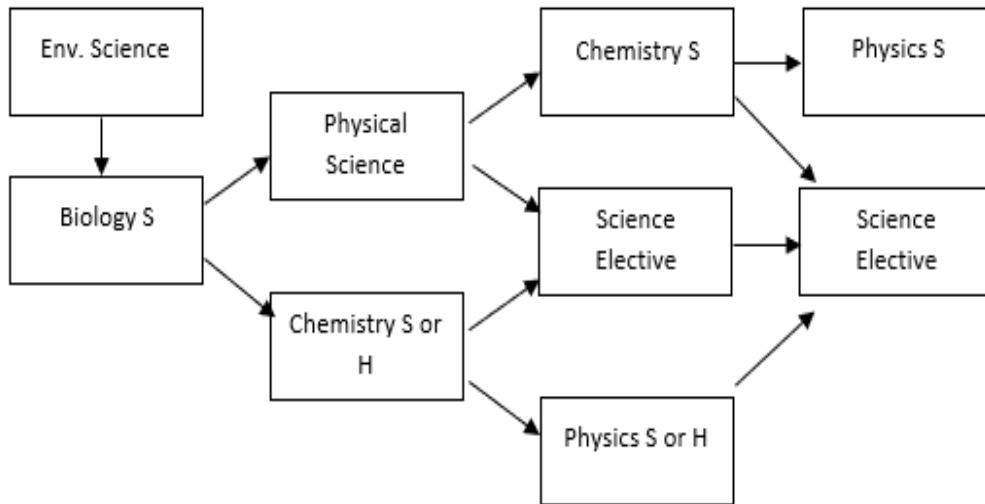
Grade 12

1 Credit

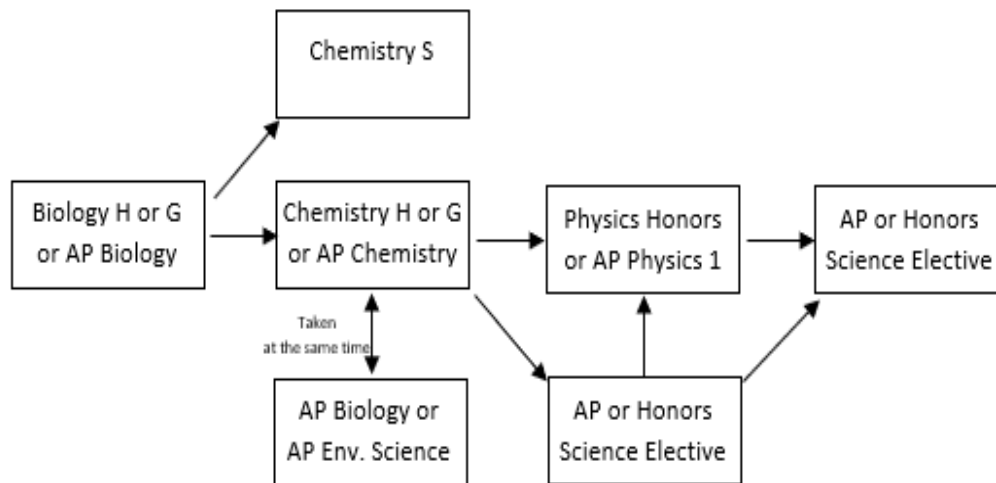
PREREQUISITE: AP CALCULUS AB

AP Calculus BC is designed for the highly motivated college-bound student who wishes to pursue college level work while still in high school. This course is designed for students who have a thorough knowledge of college preparatory mathematics and elementary (algebraic, trigonometric, exponential, and logarithmic) functions. BC (Calculus 1 and 2) includes all AB topics (limits and continuity, derivatives and integrals, and their applications) with additional topics in sequences and series, polars, parametrics, and vectors. Based on the results of the AP exam, college credit may be awarded by participating colleges and universities. This course will utilize the TI-83 or 84 series of graphing calculators. A rental program is available through the Math Department on a limited basis.

# SCIENCE



Science Electives  
 Anatomy/Physiology S/H  
 Astronomy H  
 Marine Science S/H  
 Zoology S



AP Science Electives  
 AP Biology  
 AP Chemistry  
 AP Env. Science  
 AP Physics 1  
 AP Physics 2  
 AP Physics C



# SCIENCE

## **ENVIRONMENTAL SCIENCE (PRE-BIOLOGY) 2001340**

Grade 9 1 Credit

PREREQUISITE: SCHOOL PLACEMENT ONLY.

This course will help students strengthen their skills in the areas of academic performance, learning strategies and critical thinking, as they study the interactions between organisms and the environment, biogeochemical cycles, the evolution of life on earth and energy flow. Environmental science is the first year of a 2-course sequence intended to prepare the identified students for success in Biology (a graduation requirement). In the second year of the sequence, students will be administratively enrolled in Biology.

## **BIOLOGY 2000310**

### **BIOLOGY HONORS 2000320**

Grade 9 1 Credit

PREREQUISITE : NONE

### **BIOLOGY GIFTED & TALENTED 2000320L**

Grade 9 1 Credit

PREREQUISITE : OPEN TO STUDENTS WITH GIFTED PLACEMENT.

In this course students will explore the relationship between organisms and their environments and between individual cells and systems. The processes of life will be approached from the viewpoints of cellular structure and function, genetics and molecular biology, classification of organisms, physiology, biochemistry, and biological changes through time. This course expects students to be capable of comprehending scientific concepts presented at an advanced level. Laboratory activities are significant component in the course and offer students an opportunity to become familiar with scientific instruments and experimental methods.

## **PHYSICAL SCIENCE**

### **2003310**

Grades 10-12 1 Credit 10-12

PREREQUISITE: BIOLOGY I

This course will provide students with a foundational knowledge of core physics and chemistry concepts. This includes, but is not limited to motion, forces, electricity & magnetism, the periodic table, and chemical formulas. Students who take this course will be prepared to take chemistry afterwards and will have a working knowledge of how to take basic measurements to answer a scientific inquiry.

## **CHEMISTRY 2003340**

### **CHEMISTRY HONORS 2003350**

Grades 10-12 1 Credit

PREREQUISITE: BIOLOGY HONORS AND ALGEBRA 1 HONORS

### **CHEMISTRY GIFTED/TALENTED 2003350L**

Grades 10-12 1 Credit

PREREQUISITE: BIOLOGY, AND ALGEBRA 1. OPEN TO STUDENTS WITH GIFTED PLACEMENT.

In this course, students will be provided with a study of composition, properties and changes associated with matter. The content shall include, but not be limited to, measurement, classification and structure of matter, atomic theory, moles, periodicity, chemical bonding, formula writing, nomenclature, chemical equations, stoichiometry, kinetic theory, gas laws, acids and bases, energy relationships, solids, liquids, and solutions. Laboratory activities and safe laboratory techniques are an essential component of this course.

## **PHYSICS 2003380**

### **PHYSICS HONORS 2003390**

Grades 11-12 1 Credit

PREREQUISITE: CHEMISTRY, ALGEBRA 2 HONORS (CONCURRENT OR COMPLETED).

This course will provide students with an introductory study of the theories and laws governing the interaction of matter, energy, and the forces of nature. The content shall include, but not be limited to, mechanics, wave phenomena, electricity, magnetism, optics and sound. Laboratory activities and safe laboratory techniques are an essential component of the course.

## **ANATOMY AND PHYSIOLOGY 2000350**

### **ANATOMY AND PHYSIOLOGY HONORS 2000360**

Grades 11-12 1 Credit

PREREQUISITE: BIOLOGY HONORS

This course provides advanced science students with a comprehensive background in human anatomy and physiology. The student will be required to demonstrate terminology, identification of structures, and understanding of body functions. The course will include a study of the organ systems of the body, utilizing anatomical terminology to describe or explain structural composition and physiological processes. Laboratory activities are emphasized in order to enhance understanding of how the body works, and will include investigations centering around histology, skeletal and muscular anatomy systems, and the physiology of vertebrate animal systems. Vertebrate dissection is a major part of this course. Laboratory activities and safe laboratory techniques are an essential component of this course and offer students an opportunity to become familiar with scientific instruments and methods.

## **ZOOLOGY 2000410**

Grades 10-12 1 Credit

PREREQUISITE: COMPLETION OF BIOLOGY AND COMPLETION OR CONCURRENT ENROLLMENT IN CHEMISTRY OR PHYSICAL SCIENCE.

This course will allow students to develop in depth knowledge of the animal kingdom. 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.

## **MARINE SCIENCE 2002500**

### **MARINE SCIENCE HONORS 2002510**

Grades 11-12 1 Credit

PREREQUISITE : BIOLOGY AND ONE ADDITIONAL SCIENCE COURSE.

In this course, students will focus on the multidisciplinary sciences that make up marine science. This includes the history of marine science, chemistry of the oceans, physics of the ocean, ecology, and biology of the various marine environments and its inhabitants. Students will learn real world applications of the importance of our marine ecosystems on the environment, society, and the economy. Opportunities for hands on experiments are readily available allowing students to display proper laboratory techniques to strengthen their knowledge of the concepts.

# SCIENCE

## **ASTRONOMY SOLAR/GALACTIC HONORS**

**2020910**

Grade 12 1 Credit

PREREQUISITE: PHYSICS.

This course is a scientific exploration of the physical universe and its history. Comparisons of Earth's formation and properties with that of other planets are studied. This course examines the properties of light and matter and the tools astronomers use to measure radiation from celestial sources. The course covers contemporary topics such as black holes, expansion of the universe, and space exploration. Laboratory exercises including the use of telescopic equipment are utilized and may include several evening observation sessions.

## **EXPERIMENTAL SCIENCE RESEARCH HONORS**

**2002340**

Grades 10-12 1 Credit

PREREQUISITE: CONCURRENT ENROLLMENT IN SCIENCE COURSE.

This course is specifically developed for interested and creative students who want an opportunity to acquire research and laboratory skills through planning and implementing investigations which may lead to advancing career and educational goals. Original research that relates to real-world issues will be encouraged with the supervising science teacher's help in facilitating laboratory time and equipment/materials needed. Students may need to travel off campus to local research laboratories to conduct research. Students in this course will participate in Science Fair and at least one other science competition as part of the course requirements. **This course does count as a science credit.**

## **AP BIOLOGY**

**2000340**

Grade 9-12 1 Credit

PREREQUISITE: GEOMETRY HONORS

This course is a first year college biology course with a lab component. The content includes but is not limited to; cell biology, biochemistry, classical genetics, molecular genetics, evolution, ecology, and taxonomy. The challenging nature of this course requires the student to devote significant quantities of time and effort outside of regular class time. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

## **AP ENVIRONMENTAL SCIENCE**

**2001380**

Grades 10-12 1 Credit

PREREQUISITE: BIOLOGY, CHEMISTRY AND GEOMETRY (BOTH CAN BE CONCURRENT)

This is a college level course which provides the student with the scientific principles, concepts, and methods 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 and/or preventing them. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

## **AP CHEMISTRY**

**2003370**

Grades 10-12 1 Credit

PREREQUISITE : CHEMISTRY HONORS, ALGEBRA 2 HONORS (CONCURRENT OR COMPLETED)

AP Chemistry is a college level course in chemistry. Content includes, but is not limited to, the structure of matter, the states of matter, chemical reactions, and descriptive chemistry. The challenging nature of this course requires the student to devote significant quantities of time and effort outside of regular class time. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

## **AP PHYSICS 1**

**2003421**

Grades 11-12 1 Credit

PREREQUISITE: CHEMISTRY HONORS, PRECALCULUS (CONCURRENT OR COMPLETED)

This algebra-based course is the equivalent of a first-semester college course in algebra-based physics. It has been written to serve as a first physics course for high school students. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, power, momentum, and oscillations. During the course, students will prepare for the AP Physics 1 exam. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

## **AP PHYSICS 2**

**2003422**

Grade 12 1 Credit

PREREQUISITE: AP PHYSICS 1 (2003421)

This algebra-based course is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. During the course, students will prepare for the AP Physics 2 exam. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

## **AP PHYSICS C: MECHANICS / ELECTRICITY & MAGNETISM**

**20003430**

Grade 12 1 Credit

PREREQUISITE: AP PHYSICS 1 (2003421)

This calculus-based course is the equivalent of two semesters of university physics for science and engineering majors. The first semester includes topics in mechanics such as kinematics, Newton's Laws of Motion, work and energy, momentum, circular motion, rotation, oscillations and gravitation. The second semester includes electrostatics, circuits, magnetism, and electromagnetic induction. Based on the results of the Advanced Placement exams, college credit may be awarded by participating colleges and universities.

# SOCIAL STUDIES

**WORLD HISTORY** **2109310**  
**WORLD HISTORY HONORS** **2109320**  
 Grade 10 1 Credit  
 PREREQUISITE: NONE

This course will provide an understanding of the contemporary world through an overview of the growth of world religions, the development of political traditions, contemporary world cultures, and current international events. This course meets graduation requirements for World History.

**AP WORLD HISTORY** **2109420**  
 Grade 10 1 Credit  
 PREREQUISITE: NONE

The course is designed to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. Focused primarily on the past thousand years of the global experience, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage from 1200 C.E. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities. This course meets graduation requirements for World History.

**UNITED STATES HISTORY** **2100310**  
**UNITED STATES HISTORY HONORS** **2100320**  
 Grade 11 1 Credit  
 PREREQUISITE: WORLD HISTORY.

This course is designed to develop an understanding of the American experience. The course begins with a brief overview of the Civil War and Reconstruction Era and continues with an in-depth study of America's rise to power, the Populist and Progressive movements, World War I, and the Crash. The course continues with an in-depth study of the Depression, World War II, the 50's, 60's, the Vietnam War, Watergate, and into the 1990s. This course meets graduation requirements for American History. Additionally, students will work on test taking skills and problem solving techniques to prepare for the end of course exam.

**AP UNITED STATES HISTORY** **2100330**  
 Grade 11 1 Credit  
 PREREQUISITE: AP WORLD HISTORY WORLD HISTORY HONORS

AP U.S. History is designed to be the equivalent of a two-semester introductory university U.S. history course. In AP U.S. History, students investigate significant events, individuals, and developments in nine historical periods from approximately 1491 to the present. Major topics include, but are not limited to, the foundation of the colonies, the American Revolution, the Civil War, industrialization, American involvement in the First and Second World Wars, the development of popular culture, the New Deal, the Great Society, and the Reagan Revolution. 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.

**AP HUMAN GEOGRAPHY** **2103400**  
 Grades 9-12 1 Credit  
 PREREQUISITE: NONE

The goal for the course is for students to become more geo-literate, more engaged in contemporary global issues, and more informed about multicultural viewpoints. Students will see geography as a discipline relevant to the world in which they live; as a source of ideas for identifying, clarifying, and solving problems<sup>1</sup> at various scales; and as a key component of building global citizenship and environmental stewardship.

**ECONOMICS BLENDED** **2102310D**  
**ECONOMICS HONORS BLENDED** **2102320D**  
 Grade 12 1/2 Credit  
 PREREQUISITE: NONE.

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.

**AP MACROECONOMICS** **2102370**  
 Grade 12 1/2 Credit  
 PREREQUISITE: NONE

This course will provide students the opportunity to develop the analytical skills and factual knowledge necessary to deal critically with the problems, content, and materials of economics. Particular emphasis will be placed on macroeconomics, the study of economic systems. Specific content will be focused on a comprehensive study of the ways societies organize to utilize limited resources to satisfy unlimited wants. Based on the results of the Advanced Placement exam, college credit may be awarded. This course meets graduation requirements for Economics.

**AP EUROPEAN HISTORY** **2109380**  
 Grades 11-12 1 Credit  
 Prerequisite: None

In AP European History, students investigate significant events, individuals, and developments in four historical periods from approximately 1450 to the present. Major topics include, but are not limited to, the Renaissance, Protestant Reformation, French Revolution, industrialization, imperialism, the First and Second World Wars, and the rise and fall of communism. 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.

**AFRICAN-AMERICAN HISTORY HONORS** **2103400**  
 Grades 9-12 1/2 Credit  
 PREREQUISITE: NONE

The primary content emphasis for this course pertains to the study of the chronological development of African Americans by examining the political, economic, social, religious, military and cultural events that affected the cultural group. Content will include, but is not limited to, west African heritage, the middle passage and triangular trade, the African diaspora, significant turning points and trends in the development of African American culture and institutions, enslavement and emancipation, the abolition, black nationalist, and civil rights movements, major historical figures and events in African-American history, and contemporary African-American affairs.

# SOCIAL STUDIES

**UNITED STATES GOVERNMENT** **2106310**  
**UNITED STATES GOVERNMENT HONORS** **2106320**  
 Grade 12 1/2 Credit  
 PREREQUISITE: NONE

This course provides students the opportunity to acquire an understanding of American government and political behavior. Content will include an analysis of documents which shape our political traditions, a comparison of the roles of the three branches of government at the local, state and national levels, a study of Florida government, an understanding of the evolving role of political parties and interest groups in determining government policy, how the rights and responsibilities of citizens in a democratic state have evolved and been interpreted, and the importance of civic participation in the democratic political process. This course meets graduation requirements for American Government.

**AP UNITED STATES GOVERNMENT & POLITICS** **2106420**  
 Grade 12 1/2 Credit  
 PREREQUISITE: NONE

This course provides students with the opportunity to develop the analytical skills and factual knowledge necessary to deal critically with the issues and content of American government. Emphasis is placed on the interpretation of the Constitution, federalism, the Congress, the Presidency, the federal court system, citizen involvement, American political traditions, and responsibilities of citizens. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities. This course meets graduation requirements for American Government.

**AP ART HISTORY** **0100300**  
 Grades 10-12 1 Credit  
 PREREQUISITE: NONE

This course will provide students with the benefit and enjoyment of painting, sculpture, architecture and other art forms within historical and cultural contexts. Students will examine the major forms of artistic expression of the past as well as those of our time and of a variety of cultures. The course does require a high degree of commitment by those students seriously interested in advanced placement and/or college credit. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities. **This course does meet Performing Arts credit.**

**PERSONAL FINANCIAL LITERACY HONORS** **2102374**  
 Grades 9-12 1/2 Credit  
 PREREQUISITE: NONE

This course consists of the following content area and literacy strands: Economics, Financial Literacy, Mathematics, Languages Arts for Literacy in History/Social Studies and Speaking and Listening. Basic economic concepts of scarcity, choice, opportunity cost, and cost/benefit analysis are interwoven throughout the standards and objectives. Emphasis will be placed on economic decision-making and real-life applications using real data.

**HUMANITIES 1 HONORS 9-10** **090031009**  
 Grades 9-10 1 Credit  
 PREREQUISITE: NONE.

Humanities I for 9th and 10th graders will focus on developing knowledge of representative works of visual, written texts from prehistoric times through the Classical Greco-Roman worlds. An emphasis will be placed on critical thinking, keen observation skills, and an appreciation for Classical studies, including Latin. This course will help honors level students who may not feel ready for AP classes gain the confidence and skills needed to move into those academic endeavors in the future.

**HUMANITIES 1 HONORS 11-12** **0900310**  
 Grades 11-12 1 Credit  
 PREREQUISITE: NONE.

The purpose of this course is to enable students to develop knowledge of representative works of visual and performing arts and literature with a heavy emphasis on mythology and philosophy from prehistoric times through the Middle Ages. They will develop critical thinking, keen observation skills, and an appreciation for various cultures from around the world.

**HUMANITIES 2 HONORS** **0900320**  
 Grades 11-12 1 Credit  
 PREREQUISITE: HUMANITIES 1, AP WORLD HISTORY, OR AP ART HISTORY.

The purpose of this course is to enable students to develop knowledge of representative works of literature and related visual and performing arts from the Early Renaissance period through Contemporary times. The content of the course will include representative works of literature and related arts, literary characteristics reflective of historical and cultural context, analysis of literature and the arts from varied literary periods and critical and aesthetic response. It is a continuation of Humanities 1 and students should have an awareness of the Greco-Roman world, and the Middle Ages in Europe. The first semester includes a strong emphasis on philosophy

**AP PSYCHOLOGY** **2107350**  
 Grades 10-12 1 Credit  
 PREREQUISITE: NONE

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



# WORLD LANGUAGES

Novice Low

Novice Mid

Novice High

Intermediate  
Low

Intermediate  
Mid

Intermediate  
High

Advanced  
Low

Each World Language course centers on developing the essential communication skills (interpretive, interpersonal and presentational) in the areas of achievement:

- Listening
- Writing
- Speaking
- Reading
- Culture (products, practices and perspectives)

Spanish 1/French 1/ASL 1: Novice Mid – Novice High

Spanish 2/French 2/ASL 2: Novice High-Intermediate Mid

Spanish 3/French 3/ASL 3: Intermediate Mid – Intermediate High

AP Spanish/AP French/ASL 4: Intermediate High- Advanced Low

## SPANISH 1

0708340

Grades 9-11

1 Credit

PREREQUISITE: NONE

Spanish 1 introduces beginning students to the target language and its culture and customs. The course is designed to emphasize speaking and listening skills in the target language in order to communicate successfully in basic survival situations. An introduction to reading and writing using basic grammar structures is included.

## SPANISH 2

0708350

Grades 9-12

1 Credit

PREREQUISITE: SPANISH 1 (0708340)

Spanish 2 reinforces the fundamental skills acquired by the students in Spanish 1. The course is designed to continue emphasis in the development of skills for listening and speaking in the target language. Reading and writing receive more emphasis. The cultural survey of the connections, comparisons and communities of the target language-speaking people is studied in greater depth.

## SPANISH 3 HONORS

0708360

Grades 10-12

1 Credit

PREREQUISITE: SPANISH 2 (0708350)

Spanish 3 provides mastery and expansion of vocabulary and grammar skills acquired by students in Spanish 2. The course is designed to continue emphasis in the development of skills for listening and speaking in the exclusively in the target language. Interpersonal and Presentational written and oral communication are stressed. Reflections and comparisons to products, practices and perspectives of the target language culture are introduced.

## AP SPANISH LANGUAGE & CULTURE

0708400

Grades 10-12

1 Credit

PREREQUISITE: SPANISH 3 (0708360)

The AP Spanish Language and Culture course emphasizes Interpersonal, Interpretive and Presentational oral and written communication skills in real-life situations. This includes vocabulary usage, language control, communication strategies as well as awareness and appreciation of the products, practices and perspectives of the target language culture. This course is offered to English speaking and Native Spanish students. To best facilitate the study of the language and culture, the course is taught at a college level and almost exclusively in Spanish. The course will help to prepare students for the AP national test. Based on the results of the Advanced Placement exam, credit may be awarded by participating colleges and universities.

## AP SPANISH LITERATURE & CULTURE

0708410

Grades 11-12

1 Credit

PREREQUISITE: AP SPANISH LANGUAGE (0708400)

The AP Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, essays and dramas) from Peninsular Spanish, Latin American, and United States Hispanic literature. The required reading selections are examined within the context of its time and place, as students use their critical reading and analytical writing skills to reflect on the many voices and cultures presented via exploration of various media (e.g. art, film, articles, and literary criticism). This course is offered to English speaking and Native Spanish speaking students. The course will help to prepare students for the AP national test. Based on the results of the Advanced Placement exam, credit may be awarded by participating colleges and universities.

## FRENCH 1

0701320

Grades 9-11

1 Credit

PREREQUISITE: NONE

This course is designed to emphasize speaking and listening skills with student's oral participation in the target language. Reading and writing are introduced and basic grammar structures explained. Students will be introduced to the culture and customs of various French speaking countries.

## FRENCH 2

0701330

Grades 9-12

1 Credit

PREREQUISITE: FRENCH 1 (0701320) .

This program is designed for the student to continue to develop skills in listening and speaking. Conversation in the target language is stressed. Reading and writing will be developed through expanded vocabulary and more complex grammatical structures. Culture, History, and Geography will be studied in greater depth. Opportunities for enjoyment of the customs, ideas, and heritage will increase.

## FRENCH 3 HONORS

0701340

Grades 10-12

1 Credit

PREREQUISITE: FRENCH 2 (0701330)

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



# WORLD LANGUAGES

## AP FRENCH LANGUAGE AND CULTURE

0701380

Grades 11-12

1 Credit

PREREQUISITE : FRENCH 3 HONORS (0701340)

AP French Language and Culture is equivalent to an intermediate level college course in French. Students cultivate their understanding of French language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges.

## AMERICAN SIGN LANGUAGE 3 (ASL 3) HONORS

0717312

Grades 11-12

1 Credit

PREREQUISITE : ASL 2 (0717310)

American Sign Language 3 is an Honors Level course that provides mastery and expansion of skills acquired by the students in American Sign Language 2. This course continues the in depth study and awareness of cultural aspects of communication in ASL with emphasis on conversational ASL through discussions of selected media. This class builds upon the grammatical aspects of American Sign Language, with an emphasis on production. Both expressive and receptive skills are stressed. Non-verbal communication is emphasized and **REQUIRED**. Due to the visual language aspect of ASL, signing and presentations in the front of the classroom with classmates watching is mandatory.

## AMERICAN SIGN LANGUAGE 1 (ASL 1)

0717300

Grades 9-11

1 Credit

PREREQUISITE: NONE.

This is an introductory course in American Sign Language. The curriculum introduces students to the target language and the aspects of Deaf culture covering over 600 basic signs. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. This course is designed to help the student build receptive skills, learn vocab through context and develop strategies for comprehension. Both expressive and receptive skills are stressed. Non-verbal communication is emphasized and **REQUIRED**. Due to the visual language aspect of ASL, signing and individual presentations in the front of the classroom with classmates watching is mandatory.

## AMERICAN SIGN LANGUAGE 2 (ASL 2)

0717310

Grades 10-12

1 Credit

PREREQUISITE: ASL 1 (0717300)

American Sign Language 2 reinforces the fundamental skills acquired by the students in American Sign Language 1. This course develops increased receptive and expressive skills, strategies for comprehension strategies for comprehension and an awareness of cultural aspects of the Deaf community. Students will increase their ASL vocabulary by approximately 700 signs while continuing to use grammatical principles with an emphasis on conversational ASL. Both expressive and receptive skills are stressed. Non-verbal communication is emphasized and **REQUIRED**. Due to the visual language aspect of ASL, signing and presentations in the front of the classroom with classmates watching is mandatory.

## AMERICAN SIGN LANGUAGE 4 (ASL 4) HONORS

0717314

Grade 12

1 Credit

PREREQUISITE : ASL 3 (0717312)

American Sign Language 4 is an Honors Level course and expands the skills acquired by the students in American Sign Language 3. It is a study of cultural aspects of communication in ASL with emphasis on ASL advanced language structures and idiomatic expressions, literature, conversational skills and fluency. Media selections are varied and taken from authentic target language literary work designed to help students build receptive skills, learn vocabulary through context, and develop strategies for comparison. Both expressive and receptive skills are stressed. Interpreting strategies will be introduced and practiced. Non-verbal communication is **REQUIRED**. Due to the visual language aspect of ASL, signing and presentations in the front of the classroom with classmates watching is mandatory. This will prepare you for the possibility for continuing in the career of ASL once graduated and having the certifications required to work in the field.



# FINE ARTS

## Visual Arts

**CREATING TWO-DIMENSIONAL ART** **0101355**  
 Grades 9-12 1/2 Credit  
 PREREQUISITE: NONE.

Students investigate a wide range of media and techniques, from both a historical and contemporary perspective, as they engage in the art-making processes of creating two-dimensional works, which may include drawing, painting, printmaking, and/or collage. Student artists reflect on their own artwork and that of others through critical analysis to achieve artistic goals related to craftsmanship, technique, and application of 21st century skills.

**CREATING THREE-DIMENSIONAL ART** **0101365**  
 Grades 9-12 1/2 Credit  
 PREREQUISITE: NONE.

Students in Creating Three-Dimensional Art, investigate a wide range of media and techniques, from both a historical and contemporary perspective, as they engage in the art-making processes of creating 3-D artworks, which may include sculpture, assemblage, and/or ceramics. Student artists reflect on their own artwork and that of others through critical analysis to achieve artistic goals related to craftsmanship, technique, and application of 21st century skills.

**TWO-DIMENSIONAL ART 2** **0101310**  
 Grades 10-12 1 Credit  
 PREREQUISITE: CREATING TWO-DIMENSIONAL ART (0101355) AND ART INSTRUCTOR ADVISEMENT.

This course is designed for the advanced student who may pursue art in college or as a career. Students will develop a portfolio which demonstrates strong design and technical skills and also reflects an original and creative individual style.

**THREE-DIMENSIONAL ART 2** **0101340**  
 Grades 10-12 1 Credit  
 PREREQUISITE: CREATING THREE-DIMENSIONAL ART (0101365). CREATING TWO-DIMENSIONAL ART IS STRONGLY RECOMMENDED.

This course is designed for advanced students who desire to further their understanding of three dimensional art methods, media, techniques, and craftsmanship. Students will develop a 3D portfolio which demonstrates strong design and technical skills, as well as reflect an original and creative individual style.

**TWO-DIMENSIONAL STUDIO ART 3 HONORS** **0101320**  
 Grades 10-12 1 Credit  
 PREREQUISITE: CREATING TWO-DIMENSIONAL ART 2 (0101310)

Students demonstrate proficiency in the conceptual development of content in drawing, painting, printmaking, collage, and/or design to create self-directed or collaborative 2-D artwork suitable for inclusion in a portfolio. Students produce works that show evidence of developing craftsmanship and quality in the composition. Through the critique process, students evaluate and respond to their own work and that of their peers.

**CERAMICS/POTTERY 1** **0102300**  
 Grades 10-12 1 Credit

PREREQUISITE: CREATING THREE-DIMENSIONAL ART (0101365).

**CERAMICS/POTTERY 2** **0102310**  
 Grades 11-12 1 Credit  
 PREREQUISITE: CERAMICS/POTTERY 1 (0102300).

Students explore how space, mass, balance, and form combine to create aesthetic forms or utilitarian products and structures. Instructional focus will be on ceramics and/or pottery. Media may include, but are not limited to, clay and/or plaster, with consideration of the workability, durability, cost, and toxicity of the media used. Student artists consider the relationship of scale (i.e., hand-held, human, monumental) through the use of positive and negative space or voids, volume, visual weight, and gravity to create low/high relief or freestanding structures for personal intentions or public places.

**AP ART /DRAWING PORTFOLIO** **0104300**  
**AP ART /2D DESIGN PORTFOLIO** **0109350**  
**AP STUDIO ART /3D** **0109360**  
 Grades 11-12 1 Credit each  
 PREREQUISITE: PORTFOLIO REVIEW

These courses are designed for the highly motivated student who plans to take art at the college level. Students may take only one AP Studio art class per year. The work in an AP class requires significantly more commitment and accomplishment than the typical high school art program. Students must be capable of independent study and research. They will be expected to work outside of class to complete the necessary requirements. Students will be expected to demonstrate an understanding of art history, art criticism, and aesthetics from a multicultural perspective.

**AP 2-D Art and Design Portfolio** is designed to address a very broad interpretation of 2-D design issues. This portfolio focuses on using the elements and principles of art in an inventive and integrative way. Students are asked to demonstrate proficiency in 2-D design using a multitude of art forms, such as graphic design, typography, digital imaging, collage, illustration, printmaking, painting, photography, etc.

**AP Drawing Portfolio** is designed to address a very broad interpretation of drawing issues and media. Painting, printmaking, abstraction, observational, inventive and mixed media are works that can be included in this portfolio.

**AP 3-D Art and Design Portfolio** is intended to address a broad interpretation of sculptural issues in depth and space. These may include mass, volume, form, plane, light, and texture. Such elements and concepts can be articulated through additive, subtractive, and/or fabrication processes. A variety of approaches in representation, abstraction, and expression may be part of the student's portfolio. These might include, among others, traditional sculpture, architectural models, apparel, ceramics, fiber arts or metal work.

All students will be required to have a minimum of 15 high quality works for each portfolio, including responses to prompts that explain their investigation and how they practiced, experimented and revised those works. Each student must submit a portfolio for evaluation by the Advanced Placement Board in May. Based on the results of the Advanced Placement Exam, college credit may be awarded by participating colleges and universities.

# FINE ARTS

## Performing Arts

<b>STAGECRAFT 1</b>	<b>0400410</b>
<b>STAGECRAFT 2</b>	<b>0400420</b>
<b>STAGECRAFT 3</b>	<b>0400430</b>
<b>STAGECRAFT 4</b>	<b>0400440</b>

Grades 9-12 1/2 Credit each

PREREQUISITE: SUCCESSFUL COMPLETION AT THE PREVIOUS LEVEL.

These courses are designed to introduce and explore the area of technical theater. Set design, scenery construction, make-up, costume, sound, lighting, etc. are all part of the “behind the scenes” aspect of the theater.

### **MUSICAL THEATRE 1 0400700**

Grades 10-12 1 Credit

PREREQUISITE: ACTING 1 (0400370), DRAMA 1 (0400310).

Coursework includes, but is not limited to: acting, vocal performance, dance, and non-dance movement, and staging, which transfer readily to performances in musicals and other venues. Students survey the evolution of music in theatre from the 19th century to modern Broadway. They will 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 or performances outside the school day to support, extend, and assess learning in the classroom.

### **MUSICAL THEATRE 2 0400710**

Grades 11-12 1 Credit

PREREQUISITE: MUSICAL THEATRE 1 (0400700).

Students learn from the styles and techniques used by well-known singer-actor-dancers and choreographers to build a performance portfolio for auditions and/or interviews. Students examine the contributions of major writers, composers, lyricists, and choreographers of musical theatre and learn to analyze the structures, stories, and settings of musical theatre exemplars to understand how those components serve the story and concept. Students extend their dance and movement techniques required to sing and dance at the same time. Public performances may serve as a culmination of specific instructional goals. .

### **CHORUS 3 (BEGINNING) 1303320**

### **CHORUS 4 1303330**

### **CHORUS 5 HONORS 1303340**

### **CHORUS 6 HONORS 1303350**

Grades 9-12 1 Credit

PREREQUISITE: AUDITION FOR CHORUS 4, 5, & 6. NO AUDITION REQUIRED FOR CHORUS 3.

The purpose of these courses is to provide students with instruction in the development of basic musicianship and varied choral literature. The content will include interpretation of notation, establishment of appropriate tone production and performance techniques, holistic presentation of simple music form, varied style periods and aesthetic values. Students in these programs will be responsible for attending after school activities, rehearsals and performances. A uniform is required for these courses

## Drama & Acting

### **INTRODUCTION TO DRAMA 0400310**

Grades 9-12 1/2 Credit

PREREQUISITE: NONE.

Students explore various performance, technical, and administrative aspects of theatre. Students learn about basic characterization through physical activity, reading selected theatre literature, reading and writing theatrical reviews, and analysis of such tools as scripts, costuming, and theatrical makeup. Students may be expected to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

### **ACTING 1 0400370**

### **ACTING 2 0400380**

### **ACTING 3 0400390**

### **ACTING 4 HONORS 0400400**

Grades 10-12 1 Credit each

PREREQUISITE: DRAMA (0400310) AND SUCCESSFUL COMPLETION AT THE PREVIOUS LEVEL.

These courses are designed for intermediate and advanced actors to use and develop their skills of acting. It includes character study ensemble acting, auditioning methods, pantomime, improvisation, and character analysis, culminating in the production of a one-act play.

### **IMPROVISATION (IMPROVISATION 1) 0400620**

### **VOICE & DICTION (IMPROVISATION 2) 0400540**

Grades 9-12 1/2 Credit

PREREQUISITE: NONE.

Like watching—Whose Line is it Anyway?—Saturday Night Live? Learn how to perform improv. Daily activities include improv games and improv scenes. This course will help to develop your ability to do oral presentations. The class will perform at a Night of Improv. Students accepted into Improv II will continue to hone their craft as improvisers exploring long-form, Harold, and sketch comedy.

### **VOCAL TECHNIQUE 1303400**

Grades 9-12 1 Credit

PREREQUISITE: NONE

Students will learn the basics of vocal technique. Students will study multiple styles of singing, but most importantly will work to improve their individual singing voice. Student's range, breath support, and tone will improve. One on one voice lessons will be provided, as well as group vocal instruction. The basics of music reading will be taught as well. For students who already study privately, this will be a perfect practice period for your lessons. For those that don't have a private teacher, this is the best way to get better at singing; voice lessons for free. No previous music experience is necessary.

# FINE ARTS

## Dance

<b>DANCE TECHNIQUES 1</b>	<b>0300310</b>
<b>DANCE TECHNIQUES 2</b>	<b>0300320</b>
<b>DANCE TECHNIQUES 3 HONORS</b>	<b>0300330</b>
<b>DANCE TECHNIQUES 4 HONORS</b>	<b>0300334</b>

Grades 9-12 1 Credit each

PREREQUISITE: TEACHER PERMISSION AND/OR COMPLETION OF PREVIOUS COURSE IN SERIES.

This course provides students with opportunities to acquire knowledge and skill in two or more styles of dance. Content techniques of two or more dance forms (ballet, jazz, contemporary, lyrical, theater, hip hop), knowledge of dance terminology, and knowledge of basic choreography of movement sequences and acquisition of technique will be stressed. Uniforms are required for this course.

Email [stephanie\\_kersten@scps.k12.fl.us](mailto:stephanie_kersten@scps.k12.fl.us) to audition for higher level classes.

### **LAKE MARY MARIONETTES** **03004000M**

Grades 9-12 1 Credit

PREREQUISITE: MARIONETTE TRYOUTS AND MUST CONCURRENTLY TAKE AN ADDITIONAL DANCE COURSE.

You will not be allowed to register for this course during the registration period. Tryouts will be in April and the time and location will be posted on the Lake Mary HS website. Once you have been selected, you will be placed in this course. After school rehearsals and performances are required.

## Music

### **AP MUSIC THEORY** **1300330**

Grades 11-12 1 Credit

PREREQUISITE: STRONG BACKGROUND IN MUSIC FUNDAMENTALS, COMPLETED AP APPLICATION

This course does not meet Performing Arts credit. The ultimate goal of AP Music Theory is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The curriculum will include an integrated approach to the development of aural, sight-singing, written, compositional, and analytical skills. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

### **BAND 3** **1302320**

### **BAND 4** **1302330**

### **BAND 5 HONORS** **1302340**

### **BAND 6 HONORS** **1302350**

GRADES 9-12 1 Credit Each

PREREQUISITE: AUDITION AND MUST HAVE SUCCESSFULLY COMPLETED PREVIOUS COURSE IN SERIES.

This course is designed to provide students with instruction in the application of musical and technical skills, as well as the development of aesthetic awareness, through the study, rehearsal and performance of varied band literature. After school rehearsals and performances are required. Tryouts will be in April and the time and location will be posted on the Lake Mary HS website.

### **JAZZ ENSEMBLE 1** **1302500**

### **JAZZ ENSEMBLE 2** **1302510**

### **JAZZ ENSEMBLE 3** **1302520**

### **JAZZ ENSEMBLE 4 HONORS** **1302530**

Grades 10-12 1 Credit each

PREREQUISITE: AUDITION AND COMPLETION OF PREVIOUS COURSE IN THE SERIES.

These courses are designed to provide students with instruction in the application of musical and technical skills in a stage band style jazz ensemble. Students will study the origin and history of Jazz. After school rehearsals and performances are required.

# PHYSICAL EDUCATION

**Notice:** Students will only be allowed to take one physical education class per semester.

## PERSONAL FITNESS

**1501300**

Grades 9-12

1/2 Credit

PREREQUISITE: NONE.

Personal Fitness is designed to provide students with opportunities to develop an individual optimal level of physical fitness, acquire knowledge of physical fitness concepts, and acquire knowledge of the significance of lifestyle on one's health and fitness. **This course is required for graduation unless a student receives a waiver.**

## BASKETBALL 1

**1503310**

## BASKETBALL 2

**1503315**

Grades 9-12

1/2 Credit

PREREQUISITE: SUCCESSFUL COMPLETION OF THE PREVIOUS COURSE IN THE SERIES.

Basketball teaches basic knowledge and fundamental skills and techniques of the game. Emphasis will be placed on techniques, strategies, rules, safety practices and maintaining and/or improving personal fitness.

## WEIGHTS 1

**1501340**

## WEIGHTS 2

**1501350**

## WEIGHTS 3

**1501360**

Grades 9-12

1/2 Credit each

PREREQUISITE: SUCCESSFUL COMPLETION OF THE PREVIOUS COURSE IN THE SERIES.

Weight Training provides students with opportunities to acquire basic knowledge and skill in weight training, adds to using those skills in the pursuit of physical fitness activities, improves muscular strength, and enhances body image.

## TEAM SPORTS 1

**1503350**

## TEAM SPORTS 2

**1503360**

1/2 Credit each

Grades 9-12

PREREQUISITE: SUCCESSFUL COMPLETION OF THE PREVIOUS COURSE IN THE SERIES.

Team Sports provides students with opportunities to acquire knowledge of the strategies of sports play and develop skills in selected team sports while maintaining and/or improving their personal fitness.

## VOLLEYBALL 1

**1505500**

## VOLLEYBALL 2

**1505510**

## VOLLEYBALL 3

**1505520**

Grades 9-12

1/2 Credit each

PREREQUISITE: SUCCESSFUL COMPLETION OF THE PREVIOUS COURSE IN THE SERIES.

Volleyball provides students with opportunities to acquire knowledge and skills in the sport of volleyball while maintaining and/or improving their personal fitness. Emphasis is on skill development through drills and conditioning.

## CARE & PREVENTION OF ATHLETIC INJURIES

**1502490**

Grades 9-12

1/2 Credit

PREREQUISITE: NONE.

Care and Prevention of Athletic Injuries is an introductory course for the student interested in the methods and theories involved with prevention, care, and rehabilitation of athletic injuries.

## CARE & PREVENTION 2 (PERS. FIT. TRAINER)

**1501380**

Grades 10-12

1 Credit

PREREQUISITE: CARE & PREVENTION OF ATHLETIC INJURIES (1502490) AND ANATOMY & PHYSIOLOGY (CAN BE TAKEN CONCURRENTLY).

This course would be the second level of Care and Prevention. Allowing those students interested in Athletic Training or the medical field another course option. Throughout the year we will focus on emergency action plans, conditioning, movement, bleeding and shock, CPR, specific body parts, nutrition, special considerations, sports psychology, taping and wrapping, and different sports. Students will have hands-on activities to emphasize knowledge gained through lecture. Many of the topics taught in Care and Prevention will be reviewed and explained in more detail.

## YOGA I (FITNESS LIFESTYLE DESIGN)

**1501310**

GRADES 9-12

1/2 Credit

PREREQUISITE: NONE.

This class is designed to improve the health, performance and mental awareness for anyone interested in improving their flexibility, muscle endurance, balance, strength and meditation. This class will help with ones health and happiness. This class is offered for all levels and is an individual journey in a class based setting with the teacher leading all stretches and activities.

## YOGA II (INDIVIDUAL/DUAL SPORTS)

**1502410**

GRADES 9-12

1/2 Credit each

PREREQUISITE: YOGA I

This class is open to all students but will focus on skills and techniques to improve overall athletic ability. This course is designed to improve the health, performance and mental awareness for anyone interested in improving their flexibility, muscle endurance, balance, strength and meditation. This class will help with ones health and happiness. This class is offered for all levels and is an individual journey in a class based setting with the teacher leading all stretches and activities.



# NAVY JUNIOR ROTC



## NAVAL SCIENCE 1

1802300

Grades 9-12

1 Credit

PREREQUISITE: NONE.

For all students who have not previously taken NJROTC classes. Subject material includes introduction to leadership, government, maritime geography, naval history, navigation and time, basic seamanship, and military drill. Students must wear the Navy provided uniform one day each week and conform to military grooming standards. Extra curricular activities and orientation trips are available for interested and eligible students.

## NAVAL SCIENCE 2

1802310

Grades 10-12

1 Credit

PREREQUISITE: ONE YEAR OF NJROTC

For all 10th-12th graders who had one or two years of NJROTC and for 11th and 12th graders who desire to take NJROTC for the first time. Subject matter includes advanced leadership principles, citizenship, naval history, oceanography, ship construction, and military drill. Students must wear the Navy provided uniform one day each week and conform to military grooming standards.

## NAVAL SCIENCE 3

1802320

Grades 11-12

1 Credit

PREREQUISITE: TWO YEARS OF NJROTC

For all 11th and 12th graders who have successfully completed two years of NJROTC. Subject material includes applied leadership, military justice, astronomy, oceanography, naval history, and military drill. Students must wear the Navy provided uniform one day each week and conform to military grooming standards.

## NAVAL SCIENCE 4

1802330

Grade 12

1 Credit

PREREQUISITE: THREE YEARS OF NJROTC

For all 12th graders who have successfully completed at least three years of NJROTC. This is a practical leadership course where the students are involved with teaching other students military drill, customs, uniform requirements, etc. Students are assigned to positions of leadership and responsibility and are encouraged to assist in the operation of the NJROTC program at Lake Mary. Students must wear the Navy provided uniform one day each week and conform to military grooming standards.

## ERAU DUAL ENROLLMENT

ASC1000/ASC2560

Grades 11-12

1 Credit

PREREQUISITE: MUST HAVE EITHER TAKEN PHYSICS AND ALGEBRA 2 OR TAKE CONCURRENTLY

This dual enrollment course is being offered by Embry-Riddle Aeronautical University (ERAU). The course offered in the Fall is Principles of Aeronautical Science (ASC1000), while Unmanned Aircraft Systems (ASC2560) will be offered in the Spring. Students must be 17 years of age by March 1st during the school year they take the course in order to sit for certification exam. Students must wear the Navy provided uniform one day each week and conform to military grooming standards.

**Principles of Aeronautical Science (ASC1000):** An introductory course in Aeronautical Science designed to provide the student with a broad-based aviation orientation in flight-related areas appropriate to all non-Aeronautical Science degree programs. Subjects include historical developments in aviation and the airline industry; theory of flight; airport operations; aircraft systems and performance; elements of air navigation; basic meteorology theory; air traffic principles; flight physiology; and aviation regulations and safety.

**Unmanned Aircraft Systems (ASC2560):** This course is a survey of unmanned aircraft systems (UAS), emphasizing the military and commercial history, growth, and application of UASs. The course will include basic acquisition, use, and operation of UASs with an emphasis on operations

# ALTERNATES

## LEADERSHIP SKILLS DEVELOPMENT & TECHNIQUES (SGA)

1st Year (9-12)	1 Credit	<b>2400300</b>
2nd Year (10-12)	1 Credit	<b>2400310</b>
3rd Year (11-12)	1 Credit	<b>0500520</b>
4th Year (12)	1 Credit	<b>0500530</b>

PREREQUISITE : REQUIRED FOR ALL CLASS AND STUDENT BODY OFFICERS UPON ELECTION TO THEIR RESPECTIVE OFFICES. THERE IS AN APPLICATION PROCESS FOR CLUB OR ORGANIZATION REPRESENTATIVES.

The members of this class are involved in planning and organizing most student activities on campus. This class requires a significant amount of time outside of school as well as field-trip time during school hours. Activities may include but not be limited to membership in School Improvement and School Advisory Council and District Student Government. This class also requires the dress code of the executive business world on certain occasions. The student will have the option of receiving a traditional letter grade or Pass/Fail.

## PEER COUNSELING (PEER CONNECTORS)

1st Year (11-12)	1 Credit	<b>1400300/1400310</b>
2nd Year (12) <b>Honors</b>	1 Credit	<b>1001480</b>

PREREQUISITE: A COMPLETED APPLICATION FORM. APPLICATIONS WILL BE REVIEWED AND APPLICANTS WILL BE SELECTED ON RECOMMENDATIONS, ATTENDANCE RECORD AND DISCIPLINE HISTORY.

Peer Connectors are committed to mentoring incoming 9th graders in order to assist with transition into high school, develop personal connections and relationships to foster academic success, and create informal and personal interaction that helps with building self-esteem. Peer Connectors will receive training to become peer mediators.

## YOUNG MEN OF EXCELLENCE

PREREQUISITE: A COMPLETED APPLICATION FORM.

1st Year (9-12)	1 Credit	<b>1400300M/1400310M</b>
2nd Year (10-12)	1 Credit	<b>1400320M/1400330M</b>
3rd Year (11-12)	1 Credit	<b>0500520M</b>
4th Year (12)	1 Credit	<b>0500530M</b>

## YOUNG WOMEN OF EXCELLENCE

1st Year (9-12)	1 Credit	<b>14003000W/14003100W</b>
2nd Year (10-12)	1 Credit	<b>14003200W/14003300W</b>
3rd Year (11-12)	1 Credit	<b>0500520W</b>

PREREQUISITE: A COMPLETED APPLICATION FORM.

The Young Men and Women of Excellence program is designed for the academic and personal advancement of minority students. This class offers an opportunity for participants to develop strong and mindful character building skills while obtaining educational advancement for their futures. During class discussion, enhancement of character building, social/personal skills, professional development and giving back to the public. Students are involved in school wide activities in including volunteer opportunities which allows for individuals to interact with diverse situations while making a difference in their community.

## TEACHER'S ASSISTANT

Grade 11-12 1/2 credit or 1 credit

**14003300T/17003800T**

PREREQUISITE: A COMPLETED APPLICATION FORM. APPLICATIONS WILL BE REVIEWED AND APPLICANTS WILL BE SELECTED ON RECOMMENDATIONS, ATTENDANCE RECORD AND DISCIPLINE HISTORY. THESE COURSES CAN ONLY BE TAKEN ONE TIME.

The purpose of this full-year course is to enable students to develop intermediate level knowledge and skills in communication. Students will be assigned to a strategic area of the campus where they will work for a teacher. The student will have the option of receiving a traditional letter grade or Pass/Fail.

## OFFICE STUDENT ASSISTANT

Grades 11-12 1/2 Credit **2104350/2104360**

PREREQUISITE: A COMPLETED APPLICATION FORM. APPLICATIONS WILL BE REVIEWED AND APPLICANTS WILL BE SELECTED ON RECOMMENDATIONS, ATTENDANCE RECORD AND DISCIPLINE HISTORY. THESE COURSES CAN ONLY BE TAKEN ONE TIME.

These courses provide students with an understanding of the elements of communication and group processes. Content shall include, but not be limited to, such topics as listening skills, questioning skills, feedback and paraphrasing skills, non-verbal communication skills, non-judgmental response skills and group cohesiveness. The student will have the option of receiving a traditional letter grade or Pass/Fail.

## FRESHMAN SUCCESS

Grade 9 1 Credit **1700600**

PREREQUISITE: NONE

Freshman Seminar is a program that provides incoming ninth graders with mindful lessons that promote pro-social behavior, helping students transition to high school providing them with the experiences and support to empower them to reach their full potential. This class promotes academic success, development of character, and leadership skills. Our goal is to provide students with resources, such as tutoring, mentorship and progress monitoring to build a foundation of positivity that will contribute to their growth and academic success throughout high school.

## LATINOS IN ACTION

Grade 10-12 1 Credit

**Year 1: 24003000LA**

**Year 2: 05005100LA**

PREREQUISITE: NONE

This program prepares Hispanic youth for academic success, post-secondary education, and successful careers. LIA accomplishes its mission by delivering classes that focus on leadership, cultural heritage, service learning, and academic excellence.

# ALTERNATES

## PEER INCLUSION TEAM

GRADES 11-12

1 CREDIT



1400340

PREREQUISITE: TEACHER RECOMMENDATION

This course is designed to provide reciprocal academic and social benefits to students with disabilities and their peers without disabilities. Students enrolled in this course will learn and apply knowledge and skilled practices in the areas of academic engagement, communication, social barriers, leadership, problem solving, and other disability-related topics such as historical perspectives, inclusion, Universal Design for Learning, person-first language, presumed competence, social justice for minority populations, and media representation of diverse people.

## LIFE/CAREER PLANNING

GRADES 9-12

1/2 CREDIT

SLS1301

PREREQUISITE: COMPLETED DE APPLICATION, 2.5 GPA.

Life/Career Planning is a course designed to assist students with the lifelong process of career development. Students will participate in a variety of experiences, as a group and individually. The coursework is designed to help students identify and examine their interests, personality, values, self-esteem, critical thinking skills, and to use this increased self-awareness to make decisions about majors and careers. This course will emphasize that making an occupational career choice is an ongoing process subject to and affected by, one's personal maturity and environmental changes.

## COLLEGE SUCCESS

GRADES 11-12

1/2 CREDIT

SLS1101

PREREQUISITE: COMPLETED DE APPLICATION, 2.5 GPA.

This course is designed to help students become more effective in college. The course teaches students how to set goals, manage time, improve retention of information, take notes, strengthen test-taking skills, deal with test anxiety, master stress reduction techniques, think critically, approach problems creatively, communicate more effectively, use the library and other college services, adapt to various instructional styles, understand their own learning style and identify and deal with problems (learning, personal or social) that interfere with their ability to learn, develop an appreciation for diversity and develop appropriate classroom behaviors.

# AP CAPSTONE

The AP Capstone™ program has been developed by College Board at the request of college and university admissions officers and faculty. AP Capstone™ provides the opportunity for students to develop critical thinking, research, and communication skills.

Students in the program will complete two AP courses: AP Seminar and AP Research. These two courses are uniquely aligned with core habits of mind, practices and skills that research has identified as critical to college and career success.

Upon successful completion of both AP Capstone™ courses, four additional AP courses, and a level 3 or higher on the respective AP exams, students will receive the AP Capstone Diploma™.

## AP SEMINAR

Grade 11

1 Credit

1700500

PREREQUISITE: COMPLETED AP APPLICATION PROCESS

This foundational course provides students with opportunities to think critically and creatively, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media. Students explore real-world issues through a cross-curricular lens and consider multiple points of view to develop deep understanding of complex issues as they make connections between these issues and their own lives. Students are assessed through two through-course performance tasks and a written exam.

## AP RESEARCH

Grade 12

1 Credit

1700510

PREREQUISITE: AP SEMINAR

This is the second course in the AP Capstone experience and allows students to design, plan and conduct a yearlong research-based investigation on a topic of individual interest. Through this inquiry and investigation, students demonstrate the ability to apply scholarly understanding to real-world problems and issues. Students are assessed through culminating performance tasks.

# WHAT'S ^ YOUR



Regardless of the "hat" you will ultimately wear, ePathways provides opportunities for all.

## WHAT'S ^ YOUR



### Enrollment

Do you plan to attend a 2-year or 4-year school after graduation? If so, be sure you are taking the appropriate courses and following all the next steps, including attending college fairs and financial aid sessions, that will prepare you for this pathway. See your school counselor for more information.



### Employment

Do you plan to get a job following graduation? If so, be sure you are taking the appropriate courses and following all the next steps, including attending future career fairs, internship expos, etc., to prepare you for this pathway. See your school counselor for more information.



### Enlistment

Do you plan to enlist following graduation? If so, be sure you are taking the appropriate courses and following all the next steps, including attending on-site recruitment events, that will prepare you for this pathway. See your school counselor for more information.





# OCTOBER 1 – DECEMBER 1, 2022

## On Time Application Period

*There is a sibling link for incoming 9th grade students to attend the same program that his/her sibling currently attends and will continue to attend. The new student is required to submit an application during the application period. Current students do not need to re-apply.*

# HIGH SCHOOL MAGNETS

- Magnet Schools & Magnet Programs are high-quality and innovative educational programs that specialize in a particular theme and are open to all Seminole County students who meet the eligibility requirements.
- Transportation is provided to all students who live more than 2 miles from the school/program.
- Acceptance into a magnet school/magnet program for students applying for grade ten and above is contingent upon an administrative review of their transcripts.

	<p>Academy of Engineering Lyman High School <a href="http://www.lyman.scps.k12.fl.us">www.lyman.scps.k12.fl.us</a></p>	<p>Academy of Engineering magnet program prepares students to be innovative and productive leaders in science, technology, engineering, and mathematics (STEM). Students choose to explore an area of interest including aerospace engineering, digital electronics, civil engineering and architecture, and environmental sustainability.</p>
	<p>Academy of Health Careers Seminole High School <a href="http://www.seminolehs.scps.k12.fl.us">www.seminolehs.scps.k12.fl.us</a></p>	<p>Academy of Health Careers magnet program prepares students for employment in health care through the opportunity to earn nationally recognized industry certifications and dual enrollment/Career Pathways credit. The rigorous academic coursework, authentic on-site lab facilities, off-site clinical experiences, and staff of licensed nurses and doctors make the Health Academy a unique opportunity to prepare for a career.</p>
	<p>Crooms Academy of Information Technology <a href="http://www.cait.scps.k12.fl.us">www.cait.scps.k12.fl.us</a></p>	<p>Crooms Academy magnet program is a National Academy Foundation (NAF) Distinguished Academy and a Magnet Schools of America School of Excellence offering more than 20 I.T. industry certifications. In addition, students have the opportunity to earn an Associate of Arts degree in Information Technology, at no cost to the family, while earning their high school diploma.</p>
 	<p>IB Diploma Programme Seminole High School <a href="http://www.seminolehs.scps.k12.fl.us">www.seminolehs.scps.k12.fl.us</a></p>	<p>For highly motivated, college-bound students, the International Baccalaureate (IB) Diploma Programme at Seminole High School offers college-level coursework that provides a distinct competitive edge. The program emphasizes independent study, promotes in-depth understanding, and teaches students how to learn, analyze, and reflect on what they know. The IB Diploma Programme has earned a reputation for rigorous assessment, helping IB diploma holders access the world's leading universities and programs.</p>
 	<p>IB Diploma Programme Winter Springs High School <a href="http://www.winterspringshs.scps.k12.fl.us">www.winterspringshs.scps.k12.fl.us</a></p>	<p>The International Baccalaureate (IB) Diploma Programme is ideal for knowledgeable and caring young people who are motivated to grow as individuals through significant academic challenges. The IB Diploma Programme has earned a rigorous reputation and is integral in helping IB graduates access the world's leading colleges and universities. IB students are involved in everything from football, theatre, and leadership to cross country and band. With 40+ student organizations, 30+ sports, and 11+ certifications the sky's the limit at Winter Springs High School.</p>



*Students applying for the IB Program zoned for Lake Brantley, Lake Mary, Lyman, & Seminole High School may only apply for Seminole High School. Students applying for the IB Program zoned for Hagerty, Lake Howell, Oviedo, & Winter Springs High School may only apply for Winter Springs High School.*

**APPLY AT [WWW.SEMINOLESCHOOLCHOICESAPPLICATION.US](http://WWW.SEMINOLESCHOOLCHOICESAPPLICATION.US)**



# FEBRUARY 1 – APRIL 1, 2023

On Time Application Period

## HIGH SCHOOL PROGRAMS OF EMPHASIS

- Programs of Emphasis provide a focused area of study centered around a career pathway.
- Students who are zoned for the school may select a Program of Emphasis via course scheduling and should speak with a school counselor.
- A limited number of seats in the programs listed in this guide may be available for 9th-12th grade students who are not zoned to the school.
- Acceptance into a program of emphasis for students applying for grade ten and above is contingent upon a school based

	MODELING, SIMULATION, & ANALYSIS (C)	Hagerty High School	In the Modeling, Simulation, & Analysis program students learn to navigate and create detailed models and virtual simulations. This pathway has the potential to lead to high paying careers in diverse fields related to modeling/simulation technologies and program management.
	ACADEMY OF FINANCE (C/D)	Lake Brantley High School	The Academy of Finance offers a curriculum comprised of finance and business technology including Accounting Applications and Personal Financial Planning.
	CREATIVE DESIGN & ENTERTAINMENT (C)	Lake Brantley High School	Students who participate in the Creative Design & Entertainment Program have the opportunity to develop their artistic and digital skill sets while preparing for a future career. Currently, the program includes the following pathways: Digital Photography Technology, 3D Animation Technology, Interior Design, and Digital Audio Production.
	CYBERSECURITY (C)	Lake Howell High School	The Cybersecurity program curriculum introduces and prepares students for careers in computer science and cyber-defense in multiple industries.
	BUSINESS & ENTREPRENEURSHIP (C/D)	Lake Howell High School	The Business & Entrepreneurship program curriculum introduces the broad spectrum of business, industry, and small business initiatives. Students will develop the fundamental knowledge and skills necessary to start and operate a business. This program includes opportunities to earn dual enrollment credit or an Associate in Arts degree in Business from Seminole State College.
	ADVANCED MANUFACTURING & INNOVATION (C)	Lake Mary High School	The Advanced Manufacturing & Innovation program provides students the opportunity to design and prototype innovative products using high-tech, industry standard equipment.
	FORENSIC SCIENCE & LEGAL STUDIES (D)	Lake Mary High School	This program includes two pathways: Forensic Science uses groundbreaking, modern scientific technology in crime scene investigation and Legal Studies teaches the foundations of our legal system.
	ACADEMY OF BUILDING AND DESIGN (C)	Lyman High School	The Academy of Building & Design provides students with the opportunity to explore careers in General Building Trades, Electrical, HVAC/Refrigeration, and Welding. Students will follow a progression of courses aligned with a chosen trade and complete industry-specific course content that will help them obtain employment in the construction industry.
	BIOSCIENCE TECHNOLOGY (C)	Oviedo High School	The Bioscience Technology program prepares students to be successful in career fields of applied biology in various industries. The courses are designed to be predominantly laboratory based with a focus on utilizing bioscience equipment and practicing lab technician skills.
	PROBLEM SOLVING INCUBATOR (C)	Seminole High School	PSI High is a project-based, full-time Program of Emphasis in which students work in a high tech school of the future designed to solve real community, business, and social problems. All students complete the Business Management and Analysis CTE program, earn multiple industry certifications in either digital design, product engineering, or computer application design, and gain direct management experience operating a School-Based Enterprise.
	AVIATION ACADEMY (C/P)	Seminole High School	There are two programs in the academy: the Aviation Maintenance program begins with the FAA Private Pilot Ground School course and certification. The Avionics Systems program introduces students to the high-tech electronics systems aboard an aircraft. Students in each program have access to a pre-apprenticeship training program that provides unique skills-based instruction usually available only to high school graduates in workforce programs.
	RENEWABLE ENERGY (D)	Winter Springs High School	The Renewable Energy program allows students to study energy technologies and the advantages, disadvantages, and limitations of renewable energy resources for a sustainable future.
	PUBLIC SERVICE ACADEMY (C/D)	Winter Springs High School	The Public Service Academy exposes students to the wide variety of career opportunities in government operations and public safety. The program includes three pathway options: Principles of Teaching, Criminal Justice Operations, and Emergency Planning & Response.

C = Program Includes the Potential for Industry Certification | D = Program Includes the Potential for Dual Enrollment Credits | P = Pre-Apprenticeship Opportunity



# AFTER- SCHOOL COURSES

**SCPS offers several after school Career and Technical Education (CTE) courses for high school credit.**

**Courses in Applied Robotics, Automotive Maintenance and Light Repair, Aviation, Cosmetology, Electrical, HVAC, and Technical Design will be offered for the 23-24 school year\***

**Students can attend an after school course at any of the participating high schools regardless of the high school they currently attend.**

**Transportation is not provided.**

**Courses meet from 3:30-5:30 on Tuesdays and Thursdays unless otherwise noted. \*Please note that courses are subject to cancellation due to low enrollment or change in instructor availability.**

**SCAN OUR QR CODE TO VIEW OUR DETAILED CTE AFTER SCHOOL COURSE GUIDE**



# COMPUTER SCIENCE PRINCIPLES PROGRAM

## Course Progression

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers such as:

- Computer Users Support Specialists
- Computer Programmer Assistants
- Computer Network Architects
- Computer Systems Analysts

9007610

Advanced Information Technology

9007210

Foundations of Programming

9007220

Procedural Programming

OR

0200335

AP Computer Science Principles

9007230

Object-Oriented Programming Fundamentals\*\*

OR

0200320

AP Computer Science A



\*\*Students should have a strong procedural programming knowledge base prior to enrolling in this course. The Procedural Programming course (9007220) or AP Computer Science Principles course are recommended to provide this knowledge base.

## **PRE-APPRENTICESHIP TRAINING**



Don't leave high school with just a diploma—leave with a JOB! The Academy of Construction Technologies (ACT) develops a well-trained workforce in the construction industry by integrating academics and a paid work-site experience when available. ACT offers students age 16 and older the opportunity to begin a career in high school in building trades and construction design technology, which is offered at Lake Brantley HS, Lake Mary HS, and Lyman HS. Students must be on track for graduation and have a 2.0 GPA to participate.

## **INTERNSHIPS**

Students in grades eleven and twelfth may have the opportunity to participate in a paid or unpaid internship in some of our region's most in-demand fields. Academic credit will be earned upon successful completion of 133 hours of work along with other required assignments. Students can utilize flexible scheduling to work before, during, or after the school day to gain exposure to real-world working conditions. For more information about work-based learning opportunities, visit the

ePathways website: <https://www.scps.k12.fl.us/district/departments/epathways/workplace-learning/>

## **AFTER SCHOOL DRIVER EDUCATION PROGRAM COURSE NUMBER 1900310**

An after school driver education program is offered each semester at Lyman, Seminole and Winter Springs High Schools. The program includes classroom instruction, range driving and on the road driving. Students must hold a valid Florida Learner's License to be eligible for the program. Students that successfully complete the program earn .5 credit. The program is open to all students in Seminole County regardless of the high school that they attend.

Students attend classes two days a week, either Monday and Wednesday or Tuesday and Thursday from 3:15-5:15 PM. Transportation is not provided. There is no cost for the program. Applications are available at the high schools.

\* This program is a collaborative effort between Seminole County Government, the municipalities; METROPLAN Orlando and Seminole County Public Schools in an effort to better prepare our teen drivers and enhance the safety on our roadways.

This program requires a separate application, which is located in the LMHS Student Services Office.

---

## VIRTUAL SCHOOL

---



Virtual schools provide a high-quality education along with flexible options to meet the demanding schedule of the 21st century student. Seminole County Virtual School (SCVS) is a franchise of Florida Virtual School, and also uses courses created or purchased by SCVS.

Students may attend SCVS full-time or part-time. Full-time options allow students to earn a standard Florida high school diploma. Full-time enrollment in SCVS occurs during two windows which are published on the SCVS website. Part-time enrollment NEVER closes and students may enroll in classes throughout the school year. Virtual classes can be taken in multiple ways including: outside of the school day, during the school day at home, or at the student's school in a virtual lab (pending space availability). Additionally, the district may offer virtual course enrollment over the summer (SCVS 365).

### ***Why should students select a Seminole County Virtual School over other virtual providers?***

- \*schedule flexibility
- \* full-time local teachers
- \*no waiting list to start classes
- \*optional face-to-face sessions
- \*tax dollars stay in Seminole County

***For more information, please visit [www.scvs.us](http://www.scvs.us) or call 407-871-7287.***

### ***What high school courses are available through Seminole County Virtual School?***

Courses with a \* are available at both Standard and Honors level; H = honors class

**Math:** Algebra I\*, Geometry\*, Algebra II\*, Pre-Calculus (H), Calculus (H), AP Calculus AB, AP Calculus BC, AP Statistics, MJ Math Suite, Probability and Statistics with Applications Honors, Math for College Algebra, Math for College Liberal Arts

**Language Arts:** English I\*, English II\*, English III\*, English IV\*, English IV College Prep, AP English Language, AP English Literature, Journalism

**Social Studies:** World History\*, AP World History, U.S. History\*, AP U.S. History, Economics\*, AP Macroeconomics, AP Microeconomics, U.S. Government\*, AP U.S. Government, AP Human Geography, AP Psychology, Sociology, Personal Financial Literacy, Psychology, World Religions

**Sciences:** Biology I\*, AP Biology, Earth Space Science\*, Chemistry\*, Physics\*, Marine Science\*, Physical Science\*, Anatomy & Physiology\*, Forensic Science, Environmental Science

**World Languages:** French I, II & III\*, AP French Language, Spanish I, II & III\* IV\*, AP Spanish Language, American Sign Language I, II, III\*, IV\*

**Electives:** Many options, including Personal Fitness/Fitness Lifestyle Design, Art, Guitar, AP Art History, Drivers Ed, Hospitality & Tourism, and much more! See website for a complete list.



---

## VIRTUAL SCHOOL

---



Seminole County Virtual School (SCVS) has its very own program of emphasis, Hospitality and Tourism. This program is designed for students who are considering a career in Hospitality and Tourism; including food and beverage, lodging, event planning, travel and tourism, entrepreneurship, etc.

Our program consists of four courses, industry certifications, work-based learning opportunities (including job shadowing, career fairs, etc), engaging worksite tours, conferences, competitions, and culminating in an internship in the field of Hospitality and Tourism.

SCVS is the first virtual National Academy Foundation (NAF) Academy and our goal is to create opportunities for students so that they work closely with well-renowned business partners and community members via events like guest speakers, worksite tours, career fairs, job shadows and end their course suite with an internship. This program offers students beneficial experiences so that they succeed in this dynamic and high-growth industry right out of high school. **Please note:** participation in the SCVS Hospitality and Tourism Management program can be completed while co-enrolled in **ANY** high school in Seminole County!

# NOTES

# **SEMINOLE COUNTY PUBLIC SCHOOLS**



**655 LONGWOOD LAKE MARY ROAD  
LAKE MARY, FL 32746**