

# Lake Mary High School

## Curriculum Guide



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# 2012 - 2013



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# 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, guidance 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 will provide the opportunity for all students to attain the knowledge and skills necessary for lifelong learning and to be self-sufficient, contributing citizens.

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## Vision Statement

Lake Mary High School will be a model secondary school where we prepare our students, regardless of ethnicity, socioeconomic status, or personal challenge, to achieve at or above their grade level by every standard by which they are measured.

# 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 guidance 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 Guidance 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 those courses indicated with “\*”. 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 five 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.

**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 2011-2012 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.**

### 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 Lake Mary High School 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. Thank you for your understanding and for your commitment to excellence.

BAND, COLOR GUARD, CHORUS, ROTC, and DANCE PERFORMANCE, because of the numerous competitions and performance events associated, 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 9<sup>th</sup> grade band students should register for Band 3, pending an audition. Auditions will be scheduled during the 4<sup>th</sup> nine weeks, prior to the end of school. Students should call Mr. Mitchell, Band Director, at (407) 320-9560 to arrange a time.

### CHORUS AUDITIONS

Beginning Chorus (Chorus III) 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 Ms. Gentner for more details about the audition process, or the audition date.

[Heidi\\_gentner@scps.k12.fl.us](mailto:Heidi_gentner@scps.k12.fl.us) or 407-320-9561.

<b>CHORUS:</b>	Audition— May 21
<b>COLOR GUARD:</b>	Tryouts— April 26 - 30
<b>MARIONETTES:</b>	Tryouts— May 18 - 22
<b>CHEERLEADING:</b>	Tryouts— April 2-6

# General Information

## CLASSIFICATION OF STUDENTS

- 9<sup>th</sup> grade** - One who has been promoted or assigned from 8<sup>th</sup> grade.
- 10<sup>th</sup> grade** - One who has earned six (6) credits
- 11<sup>th</sup> grade** - One who has earned twelve (12) credits
- 12<sup>th</sup> grade** - One who has earned nineteen (19) credits

## ATHLETIC ELIGIBILITY

An incoming 9<sup>th</sup> grader must have been regularly promoted, not assigned, from the 8<sup>th</sup> 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 Ed 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. In the Junior year students are selected based on a 3.5 or higher cumulative weighted grade point average, community service, membership in school organizations, character, and leadership. For more information, contact the sponsor.

## RECOGNITION OF ACADEMIC EXCELLENCE

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

1. Honor Roll - Using all course quarter grades, Honor Roll certificates are presented to students earning a weighted GPA of 3.00 to 3.99.
2. 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.
3. Principal's Academic Breakfast - Invitations are extended to students earning a minimum of 6 A's and 1 B.

Recognitions listed are awarded quarters 1 through 3.

## FACTS.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 FACTS.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 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 GPAs 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.

Symbol	Unweighted (4.0 Scale)	A	B	C	D	F
		4	3	2	1	0
	Weighted	A	B	C	D	F
<b>AP</b>	Advanced Placement	5	4	3	1	0
	Dual Enrollment	5	4	3	1	0
	International Baccalaureate	5	4	3	1	0
	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

# Seminole County Public Schools

## Districtwide High School Choices

Seminole County Public Schools provides students with educational opportunities that take them beyond traditional instructional experiences with high school choice options. Designed around specialized themes, these programs address the individual interests and abilities of students.

Acceptance into a magnet school/program is by application only. By signing the required program application, parents and students agree to commitment statements that include academic standards, attendance, conduct, and honor code. Eligibility requirements and the application process are described in detail on the Seminole County Public Schools Choices Web site at [www.seminoleschoolchoices.com](http://www.seminoleschoolchoices.com).

Student transfer options for the 2011-2012 school year are available on the Seminole County Public Schools Choices Web site at [www.seminoleschoolchoices.com](http://www.seminoleschoolchoices.com).

Magnet applications and transfer forms are available at all middle and high school guidance departments; the Choices Department at the Educational Support Center, 400 East Lake Mary Blvd., Sanford; and from [www.seminoleschoolchoices.com](http://www.seminoleschoolchoices.com).

The following information and program descriptions are to acquaint students and parents with the additional high school choices they can consider.

### MAGNET SCHOOLS AND PROGRAMS

#### Crooms Academy of Information Technology

Experience IT! Crooms Academy of Information Technology (AOIT) is Seminole County's only district-wide magnet high school. Crooms AOIT provides cutting edge innovation in teaching and learning through a technology-enriched environment. Students engage in a rigorous and relevant curriculum that prepares them for post-secondary education with industry-validated technology skills.



**TRANSPORTATION:** Transportation is provided to students living more than two miles from the school.

For further information, contact Demetria Hayes, Assistant Principal, 407-320-5702 or Arvis Harmon, Guidance Counselor, 407-320-5773.

#### Academy of Health Careers Seminole High School

The Academy of Health Careers offers a comprehensive rigorous academic program of college preparation and uniquely relevant curriculum for students who plan to pursue a career as a health care professional. The academic courses are combined with the opportunity to gain the initial "building blocks" of health care through Health Science education.



Hands-on learning opportunities enable students to preview various careers through job shadowing and clinical experiences in area hospitals, clinics, medical offices, emergency medical facilities, and veterinary health care sites.

**TRANSPORTATION:** Transportation is provided to students living more than two miles from the school.

For further information, contact Ms. Mickey Reynolds, Program Director, 407-320-5063 or Leslie Mulet, Academy Guidance Counselor, 407-320-5064.

#### Institute for Engineering Lyman High School

The Institute for Engineering provides a highly creative, technology rich, college preparatory program. Students are exposed to a rigorous integrated curriculum infused with relevant industry innovations and technology. The world class program is designed for the student who would like to pursue a professional career in any area of engineering. The Institute for Engineering is introducing Project Lead the Way: Pathway to Engineering for incoming freshman in 2012-13. Students may choose to focus on any of the following five areas of concentration:

- Architectural Engineering and Design
- Aerospace Engineering
- Bioengineering
- Computer Modeling and Simulation
- Electrical Engineering



**TRANSPORTATION:** Transportation is provided to students living more than two miles from the school.

For further information, contact the Institute for Engineering Office, 407-746-2312 or Joannie Shalls, Guidance Counselor, 407-746-2142.

#### International Baccalaureate Diploma Program Seminole High School

The International Baccalaureate (IB) Diploma Program is an internationally recognized, rigorous pre-university course of study that incorporates an extensive liberal arts curriculum containing humanities, social studies, foreign language, math, and science. The IB program, affiliated with the International Baccalaureate Organization (IBO), is designed for highly motivated college-bound students seeking educational challenges. The curriculum is based on international standards and examinations that are evaluated by international educators.

**TRANSPORTATION:** Transportation is provided to students living more than two miles from the school.



For further information, contact Mary Cragar, Program Coordinator, 407-320-5223 or Mindi Craft, IB Guidance Counselor, 407-320-5224.

# Seminole County Public Schools

## Districtwide High School Choices

OTHER CHOICE OPTIONS

### Academy of Construction Technologies

All Seminole County High Schools  
11<sup>th</sup> and 12<sup>th</sup> Grade Choice Option

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 the opportunity to begin a career in high school in one of three areas—carpentry and cabinetmaking, electrical, and fire sprinkler system technology. Individual course numbers are listed under Career and Technical Education in this guide.



**ELIGIBILITY:** All Seminole County students entering 11th and 12th grade, with the necessary number of credits to be on track for graduation at the end of their senior year can apply for the program. A 2.0 GPA is required for admission to the carpentry program. Electrical and fire sprinkler system technology require a 2.5 GPA.

For further information, contact your high school guidance counselor or Joe Oldakowski, Program Specialist, Career and Technical Education, 407-320-0171.

**EXITING A CHOICE PROGRAM:** Any student who exits a high school choice program will return to his/her zoned school, unless there is a Seminole County Public Schools approved transfer that allows the student to remain at the school where the choice program is located. In all years of participation in a magnet school/program, exits are not permitted during the school year

### Seminole County Virtual School



Seminole County Public Schools students may take courses via Seminole County Virtual School. Virtual school provides flexible options to meet the demanding schedule of the 21st century student. Students may enroll fulltime and earn a regular high school diploma or concurrently (blending virtual with face-to-face courses) with their zoned schools as part of their school day. For more information and a list of available courses please visit <http://virtualschool.scps.k12.fl.us/> or call 407-871-7287.

### ePathways

21st Century Choices for all 21st Century Students

Seminole County Schools recognizes that today's students learn in different ways, at different rates, and on different schedules. Our schools now offer the flexibility to accommodate today's students and families through a variety of choice programs that include magnet schools and programs of emphasis, as well as virtual options for full-time Kindergarten through grade twelve students and part-time virtual coursework for students in grades six through twelve. These programs offer a wide-range of acceleration opportunities, as well as credit recovery and remediation, through blended schedules that permit students to take some face-to-face courses and some virtual courses, depending on each student's most optimal learning situation.

Beginning with the 2012-13 school year, Seminole County, students will have the opportunity to choose the learning pathway that best suits their learning style, personal interests and academic strengths. Students will have a variety of course options, both core and elective, that can be taken in a modern classroom setting or in a virtual environment. Students may choose any blend of virtual and traditional classes, including a full-time schedule of online courses, while remaining publicly enrolled in their school, and participating in the extracurricular activities of their choice. Virtual classes can be taken either in a lab setting at the school or in their home environment.

Examples of the 2012-13 expanded choices include middle and high school computer labs that will be open for extended hours so students can access virtual classes beyond the school day, which allows students to either attend school during traditional hours or create a flexible schedule. High School students will also have the opportunity to participate in college level courses through the Advanced Placement Program, college dual enrollment and access to courses (including online courses) in the State University System. Students can matriculate credits towards an A.A. or A.S degree while still enrolled in high school.

Elementary schools are designing plans to increase options for students to accelerate via virtual school course work and unique environments for supporting both full-time and part-time virtual access. The goal is to provide flexibility and meet individual student needs.

Through these options, Seminole County students will experience a rigorous academic, individualized and flexible learning experience that best accommodates their individual needs, while participating in an array of extracurricular activities, performing arts, visual arts and athletic teams – The Triple A Experience!.

The future of learning is now at Seminole County Schools. Please contact ePathways at [virtual@scps.us](mailto:virtual@scps.us) or 407-871-7278.

# CTE Dual Enrollment

DUAL ENROLLMENT IS AN 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 INSTITUTION.

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 CPT 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:

- o AUTOMOTIVE SERVICE TECHNOLOGY (12TH)
- o BUILDING CONSTRUCTION TECHNOLOGY (12TH)
- o BUSINESS ADMINISTRATION (12TH)
- o CRIMINAL JUSTICE (11TH & 12TH)

# Academic Dual Enrollment

IN ORDER TO PARTICIPATE IN APPROVED ACADEMIC DUAL ENROLLMENT COURSES A STUDENT MUST MEET THE FOLLOWING REQUIREMENTS:

- PASSED ALL SECTIONS OF THE 10<sup>TH</sup> GRADE FCAT
- BE ENROLLED IN AT LEAST FIVE COURSES AT THEIR HIGH SCHOOL
- HAVE A MINIMUM UNWEIGHTED CUMULATIVE 3.0 GPA
- HAVE A COLLEGE READY SCORE ON THE SAT, ACT OR CPT

SEMINOLE STATE COLLEGE DUAL ENROLLMENT APPLICATIONS MUST BE COMPLETED AND TURNED IN WITH YOUR COMPLETED REGISTRATION CARD.

# Graduation Information

Students and parents bear the responsibility to see that selected courses meet graduation requirements and post secondary plans, including admission to a university, community college, or vocational-technical school, Bright Futures Scholarship, or any other scholarship program.

Courses	General Requirements for High School Graduation (4-year)	*Standard College Preparatory Program (3-year)	Career Preparatory Program (3-year)
English	4 credits with major concentration in composition, reading for information and literature	4 credits with major concentration in Composition and Literature	4 credits with major concentration in Composition and Literature
Mathematics	4 credits, one of which must be Algebra I or its equivalent, earned grades 9-12	3 credits at the Algebra I level or above, from the list of courses that qualify for state university admission	3 credits, one of which must be Algebra I or its equivalent
Science	3 credits in Natural Science 4 credits beginning with c/o 2014	3 credits in Natural Science, two of which must have a laboratory component	3 credits in Natural Science, two of which must have a laboratory component
Social Studies	1 credit World History 1 credit American History .5 credit American Government .5 credit Economics	1 credit World History 1 credit American History .5 credit American Government .5 credit Economics	1 credit World History 1 credit American History .5 credit American Govt .5 credit Economics
World Languages	Not required for high school graduation; required for admission into state universities	2 credits in the same second language	Not Required
Fine Arts ***	1 credit Fine Art	Not Required	Not Required
Physical Education****	.5 Personal Fitness .5 Physical Education	Not Required	Not Required
Electives**	10 credits  Beginning with c/o 2015 and thereafter, At least one course within the 26-credit program must be completed through online learning.	3 credits in electives	3 credits in a single Vocational/Career/Technical education program and 2 elective credits
Total	26 credits	18 credits	18 credits
State Assessment Requirements	Pass the grade 10 FCAT Reading and State Mandated Assessments. (Gr. 9) 2010-11 •Gr. 10 FCAT 2.0 Reading: Level 3 •Algebra 1 EOC** 30% of Course Grade* (Gr. 9) 2011-12 •Gr. 10 FCAT 2.0 Reading: Level 3 •Algebra 1 EOC: Level 3 Geometry EOC 30% of Course Grade* Biology EOC 30% of Course Grade* (Gr. 9) 2012-13 •Gr. 10 FCAT 2.0 Reading: Level 3 •Passing score on Algebra 1 EOC Assessment in order to earn course credit •Passing score on Geometry EOC Assessment in order to earn course credit •Passing score on Biology 1 EOC Assessment in order to earn course credit	Pass the grade 10 FCAT Reading and State Mandated Assessments	Pass the grade 10 FCAT Reading and State Mandated Assessments
Grade Point Average Requirements (GPA)	Earn a cumulative GPA of 2.0 on a 4.0 scale	1) Earn a cumulative GPA of 3.5 on a 4.0 scale. 2) Earn at least 3.0 in each required course.	1) Earn a cumulative GPA of 3.0 on a 4.0 scale. 2) Earn at least 2.0 in each required course.

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

\* At least 6 of the 18 credits required for completion of this program must be received in classes that are Advanced Placement or Dual Enrollment

\*\* Students may revise (change) their major area of interest each year as part of the annual course registration process.

\*\*\* 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 and pass the written competency test with a C or better.

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 participate in a dance class will satisfy the .5 credit of the PE Activity Elective or .5 credit of Fine Arts Elective.

# Graduation Requirements for Math

Year	2010-2011 Freshman Class	2011-2012 Freshman Class	2012-2013 Freshman Class	2013-2014 Freshman Class
<b>Overall Requirements</b>	4 Credits of math <b>WHILE IN</b> High School	4 Credits of math <b>WHILE IN</b> High School	4 Credits of math <b>WHILE IN</b> High School	4 Credits of math <b>WHILE IN</b> High School
<b>Specific Course Requirements</b>	Algebra I Geometry Algebra II	Algebra I Geometry Algebra II	Algebra I Geometry Algebra II	Algebra I Geometry Algebra II
<b>EOC Requirements</b>	Algebra I EOC counts as <b>30%</b> of final course grade for freshmen in Algebra I	Algebra I EOC must be <b>passed</b>  Geometry EOC counts as <b>30%</b> of final course grade for freshmen in Geometry	Algebra I EOC must be <b>passed</b>  Geometry EOC must be <b>passed</b>	Algebra I EOC must be <b>passed</b>  Geometry EOC must be <b>passed</b>

## Four - Year Plan

### High School Planner

Registration must be considered as only a small part of your overall high school plan. You are urged to work with your parents and your guidance counselor to complete the planning tool on this page. Plan ahead and be rewarded with a successful high school experience that prepares you for whatever your future may hold.

Credits Required for High School Graduation		Grade 9	Grade 10	Grade 11	Grade 12
Language Arts	4 Credits	English I	English II	English III	English IV
Mathematics	4 Credits				
Science	3 Credits (4 credits c/o 2014 and beyond)				
Social Studies	3 Credits		World History	American History	Economics/ American Gov't
Physical Education	1 Credit	.5 Personal Fitness .5 Phys. Education			
Performing Arts	1 Credit				
Electives	10 Credits				

# Four - Year Course of Study

The following educational plans are presented for students in grades 9-12 to guide you and your parents through planning your 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.”

**AP- Advanced Placement**

**G/T- Gifted/Talented**

**H- Honors**

College Preparatory Standard Grade 9		College Preparatory Honors Grade 9		Business Career Grade 9		Job Entry Grade 9	
Subject	Credit	Subject	Credit	Subject	Credit	Subject	Credit
English I	1	English I H or G/T	1	English I	1	English I	1
Alg I	1	Geometry or Alg II, H or G/T	1	Alg I	1	Alg I	1
Biology	1	Biology	1	Environmental	1	Environmental	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
Electives	2	Elective	1	Elective	1	Major Area of Interest Elective	1
		World Lang.	1	Career Education Elective	1	Career Education Elective	1
Total		Total		Total		Total	
7		7		7		7	
Grade 10		Grade 10		Grade 10		Grade 10	
Subject	Credit	Subject	Credit	Subject	Credit	Subject	Credit
English II	1	English II H or G/T	1	English II	1	English II	1
Geometry	1	Geom or Alg II, H or G/T	1	Geometry	1	Geometry	1
Chemistry	1	Chemistry H or G/T	1	Biology or Chemistry	1	Biology	1
World History	1	World History H or AP	1	World History	1	World History	1
World Language	1	World Lang I or II	1	Career Education Elective	2	Career Education Elective	2
Electives	2	Electives	2	Elective	1	Elective	1
Total		Total		Total		Total	
7		7		7		7	
Grade 11		Grade 11		Grade 11		Grade 11	
Subject	Credit	Subject	Credit	Subject	Credit	Subject	Credit
English III	1	English III H or AP	1	English III	1	English III	1
Algebra II	1	Alg II or Precalc, H or G/T	1	Financial Math or Algebra II	1	Financial Math or Algebra II	1
Chemistry or Physics	1	Physics H or G/T	1	Chemistry or Physics	1	Physical Science	1
American History	1	American History H or AP	1	American History	1	American History	1
World Language	1	World Lang II or III	1	Career Education Elective	1	DCT Program	3
Electives	2	Electives	2	Electives	2	Total	
Total		Total		Total		7	
7		7		7		7	
Grade 12		Grade 12		Grade 12		Grade 12	
Subject	Credit	Subject	Credit	Subject	Credit	Subject	Credit
English IV	1	English IV H or AP	1	English IV	1	English IV	1
American Government	1/2	Precalc, H or G/T or AP Calc	1	Algebra II	1	Algebra II	1
Economics	1/2	Science Course H, G/T or AP	1	Science Course	1	Chemistry or Physics	1
Anal. of Functions or Precalc	1/2	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	3	Electives	3	Career Education Elective	1	DCT or CDE Program	3
Total		Total		Total		Total	
7		7		7		7	

# Guidance Information

## GUIDANCE SERVICES

The Guidance Department of Lake Mary High School assists students in developing a realistic picture of their progress in relation to their potential. The guidance 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. Professional 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 in the Guidance Office.

## EXCEPTIONAL EDUCATION

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 guidance office upon request. Exceptional Education students earning a standard diploma may be served through a variety of service models. The following services are available at Lake Mary High School:

Specific Learning Disabilities  
Speech and Language Therapy  
Emotionally Disabled

Gifted  
Intellectually Disabled  
Autism Spectrum Disorder

## DIPLOMA AND CERTIFICATE OF COMPLETION

**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, passed the 10<sup>th</sup> grade FCAT reading and math, and have met the minimum 2.0 GPA requirement.

**SPECIAL DIPLOMA:** 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 11<sup>th</sup> grade minimum student performance standards as prescribed in the State Board of Education Rule. Option 1 (Academic) and Option 2 (Vocational) are available based on a student's individual needs.

**CERTIFICATE OF COMPLETION:** Certificate awarded to students who have completed the minimum number of credits and all other requirements prescribed by the local school board, but failed to pass the FCAT, or meet the minimum GPA requirement.

**SPECIAL CERTIFICATE OF COMPLETION:** Certificate awarded to students who have been properly classified in any of the special education categories, met all applicable requirements prescribed by the local school board, but failed to demonstrate mastery of the appropriate state adopted minimum student performance standards.

## SCHOLARS WITH DISTINCTION

Students entering 9<sup>th</sup> grade in 2010-2011 and thereafter who meet the advanced requirements listed below, in addition to meeting all requirements for a Seminole County Public HS Diploma, will be designated a scholar with distinction.

- Cumulative weighted 3.75 GPA
- Completion of 3 years in the same World Language (three consecutive levels)
- Completion of 6 credits in Advanced Placement or International Baccalaureate classes with "A" and "B" grades (up to two "A" and "B" credits earned in Dual Enrollment may be applied to this requirement)
- Completion of 1 credit in Experimental Research (or equivalent) with an "A" or "B", or 4<sup>th</sup> year of same World Language, or 1 additional AP course or Dual Enrollment course with grade of "A" or "B"

## ADDITIONAL CREDIT

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

1. Credit by Examination
2. Summer School
3. Adult Education Program—one credit per semester may be earned by the student after the student has completed his third year of high school. Credits earned must be in accordance with the school board policy and Standards of the Commission of Secondary Schools of the Southern Association of Colleges and Schools.
4. Students may be awarded high school credit prior to the 9<sup>th</sup> grade according to the Seminole County Student Progression Plan.
5. Dual Enrollment
6. Community Service
7. Florida 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 materials are available in the guidance office. Lake Mary High School's code number (**CEEB**) is **100-883**.

Lake Mary is an ACT test center for September, October, December, 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.

# Advanced Placement

## 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, foreign language, computer science, and art. 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 and helps you develop skills that will be critically important to successful study in college.

## Advanced Placement Course Offerings and Prerequisites

	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
English	English I H/Pre AP/GT	English II H/GT/Pre AP/ AP English Language	AP English Language	AP English Literature
Mathematics (8 <sup>th</sup> gr Alg I H/GT or Geometry I H/GT)	Algebra II H/GT Geometry H/GT Algebra I H/GT	Algebra II H/GT Pre-Calculus H/GT AP Computer Science A	AP Statistics Pre-Calculus H/GT AP Computer Sci A	AP Statistics AP Calculus AB/BC AP Computer Science A
Science (7 <sup>th</sup> gr Alg I H/GT, 8 <sup>th</sup> gr Geometry H/GT and 8 <sup>th</sup> gr FCAT Reading Level 4 or 5)	Biology H/GT AP Biology	Chemistry H/GT AP Environmental Sci. AP Biology	AP Biology AP Chemistry AP Environmental Sci Physics H/GT	AP Biology AP Chemistry AP Environmental Sci AP Physics B/C
Social Studies (FCAT Reading Level 4 or 5)	AP Human Geography	AP World History World History H AP Human Geography	AP Human Geography AP American History American History H AP Psychology AP Art History	AP Human Geography AP European History AP Macroeconomics (.5) AP American Govt. (.5) AP Psychology AP Art History
World Languages (8 <sup>th</sup> grade Spanish I)	Spanish I Spanish II	Spanish II Spanish III	Spanish III AP Spanish Language	AP Spanish Language AP Spanish Literature
Fine Arts	2D Art 1 3D Art 1	2D Art 2 3D Art 2	2D Art 3 or 3D Art 3 AP Art Draw	AP Art Draw AP Art 2D AP Art 3D

# 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.firn.edu/doc/brfutures](http://www.firn.edu/doc/brfutures), 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.facts.org" which will evaluate your transcript for the Bright Futures Scholarships.

## Florida Academic Scholars Award (FAS)

## 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)

3.5 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 4 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

1280 SAT or 28 ACT (c/o 2013)

1290 SAT or 29 ACT (c/o 2014 and beyond)

### Other Ways to Qualify (Community Service of 75 hours required)

- ◆ National Merit or Achievement Scholars and Finalists
- ◆ National Hispanic Scholars
- ◆ IB Diploma Recipient
- ◆ Students who have completed the IB curriculum with a 1270 SAT or 28 ACT

### 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 4 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

1020 SAT or 22 ACT (c/o 2013)

1050 SAT or 23 ACT (c/o 2014 and beyond)

### Other Ways to Qualify (No Community Service required)

- ◆ National Merit or Achievement Scholars and Finalists
- ◆ National Hispanic Scholars
- ◆ Students who have completed the IB Curriculum with a 970 SAT or 20 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 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.

### Required Credits\*

- ◆ 4 English
- ◆ 4 Mathematics

- ◆ 3 Natural Sciences

- ◆ 3 Social Sciences (Am. Hist., World Hist., Am. Govt., and Econ.)

- ◆ 1 Performing Art

- ◆ 1 Physical Education (1/2 Personal Fitness and 1/2 P.E. elective)

### Community Service

(District approval needed for community service hours)

35 hours (required for applicants)

### Test Scores:

Must meet one of the test requirements below

CPT—Reading 83, Sentence Skills 83, Algebra 72

ACT—Reading 18, English 17, Math 19

SAT—Verbal 440, Math 440

Other Ways to Qualify: None

# Florida Post-Secondary

## COMMUNITY COLLEGE REQUIREMENTS

Although Florida's public community colleges have an "open admissions" policy, students should be aware that these 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 consists of 11 institutions providing limited access for postsecondary education. 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 I, English Honors I, English II, English Honors II, English III, English Honors III, English IV, English Honors IV, AP English: Language and Composition, AP English: Literature and Composition, English I through ESOL, English II through ESOL, English III through ESOL, English IV through ESOL.

### MATHEMATICS

4 Credits — Algebra I, Algebra I Honors, Algebra II, Algebra II Honors, Calculus Honors, AP Calculus AB, AP Calculus BC, Pre-Calculus, Financial Applications, Geometry, Geometry Honors, AP Statistics, Analysis of Functions and Mathematics for College Readiness.

### NATURAL SCIENCE

4 Credits—two units must include substantial laboratory requirement.

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

### SOCIAL SCIENCE

3 Credits—satisfied by the graduation requirements

American History, American History Honors, AP American History, Economics, Economics Honors, AP Macroeconomics, American Government, American Government Honors, AP American Government, World History, World History Honors, AP World History.

Students and parents are advised to carefully consider the importance of elective coursework. The stronger an applicant's academic preparation, including electives, the better their chances of admission in general, and to the university of their choice.



## WORLD LANGUAGES

2 Credits—two years of sequential World Languages

Chinese I, Chinese II, Chinese III, French I, French II, French III, III, German IV, Latin I, Latin II, Spanish I, Spanish for Spanish Speakers I, Spanish II, Spanish III, AP Spanish Language, AP Spanish Literature, American Sign Language I, American Sign Language II, American Sign Language III.

## ACADEMIC ELECTIVES - 2 CREDITS


In addition to the 16 Core academic credits, SUS applicants at a minimum need 2 additional academic electives.

2 credits in the following academic areas:

Level II or Level III courses in:

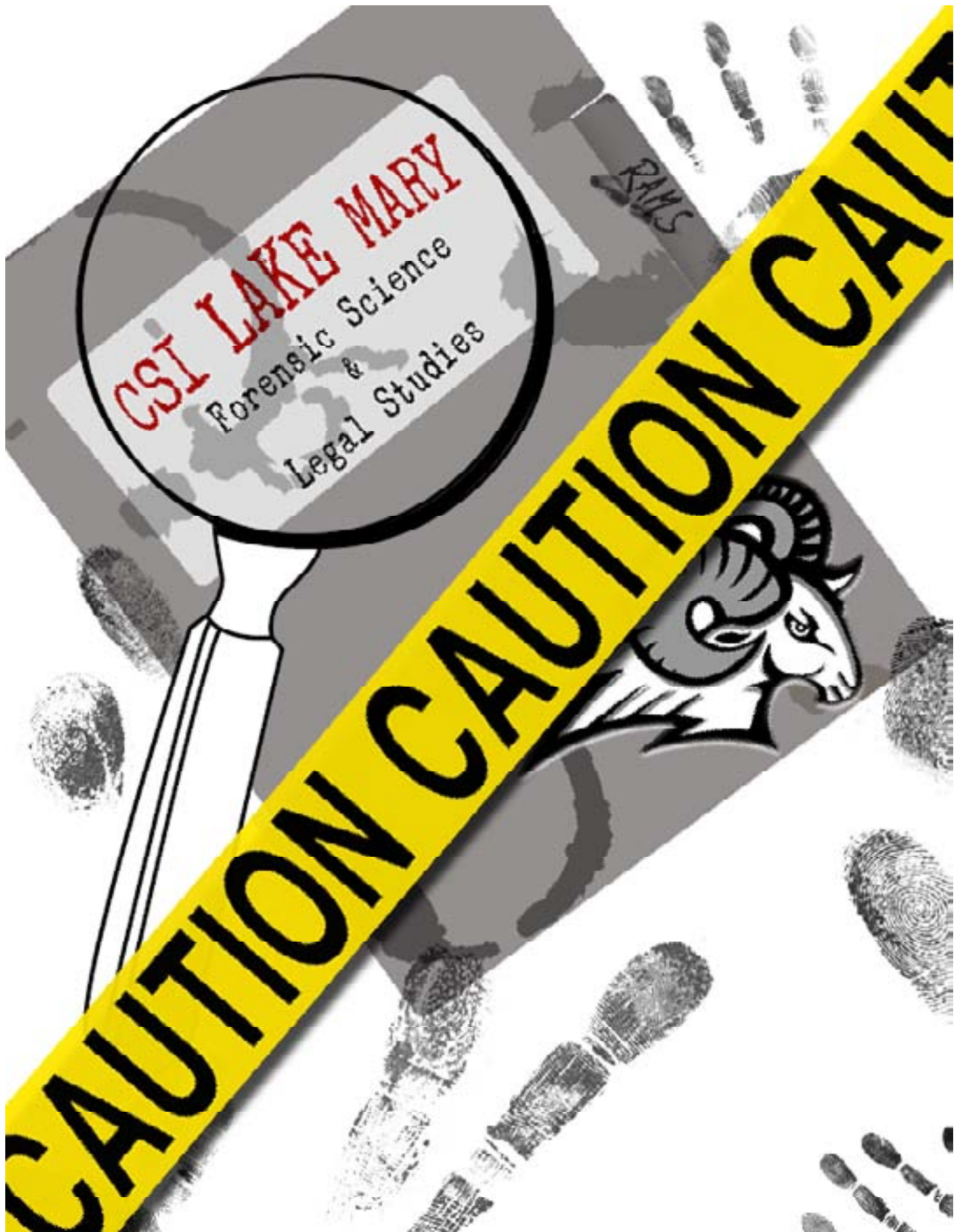
- English/Language Arts
- Mathematics
- Natural Science
- Social Science
- Foreign Language

Level III courses in any discipline, including Fine Arts.

See  in this Guide.

OR

1 credit from above and 1 credit of ROTC Military Training.



# ● CSI LAKE MARY

Forensic Science &  
Legal Studies

"Street Law"  
Speech & Law Studies  
1007300 2106350

Comprehensive Law  
Honors - 2106375

Forensic 1  
2002480

Court Procedure  
Honors - 2106390

Forensic 2  
2002490

Constitutional  
Law Honors  
2106468

Forensic 3

RAMS

# NCAA College Athletics

## NCAA CLEARINGHOUSE

To be certified by the Clearinghouse, you must:

- 1. Graduate from high school.** You should apply for certification before graduation if you are sure you wish to participate in athletics as a freshman at the college to which you will be admitted. The Clearinghouse will issue a preliminary certification report when you have had all your materials submitted. After you graduate, the Clearinghouse will review your final transcript to make a final certification decision according to NCAA standards.
- 2. Earn a grade-point average of at least 2.00 (on a 4.00 scale) in a core curriculum of at least 16 academic courses which were successfully completed during grades 9 through 12.** Only courses that satisfy the NCAA definition of a core course can be used to calculate your NCAA GPA. No special values are allowed for "+" or "-" grades. The chart below shows what your core courses must include as a minimum.
- 3. Earn a sum of scores of at least 68 on the ACT or a combined score of at least 820 on the SAT on a national test date.**

Core Units Required for NCAA Certification (see #2 above)

	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
From English, Math, or Science	1 Year	2 Years
Additional Core (English, Math, Science, Social Science, World Language, Computer Science, Philosophy, Nondoctrinal Religion)	4 Years	3 Years
<b>Total Core Units Required</b>	<b>16</b>	<b>14</b>

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 below.

Core GPA	ACT Sum	SAT
Above 2.500	68	820
2.500	68	820
2.475	69	830
2.450	70	840-850
2.425	70	860
2.400	71	860
2.375	72	870
2.350	73	880
2.325	74	890
2.300	75	900
2.275	76	910
2.250	77	920
2.225	78	930
2.200	79	940
2.175	80	950
2.150	80	960
2.125	81	960
2.100	82	970
2.075	83	980
2.050	84	990
2.025	85	1000
2.000	86	1010

For Division II, there is no sliding scale. The minimum core GPA is 2.0. The minimum SAT is 820 (verbal & math). The minimum ACT sum score is 68.

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	Algebra 1	Am Government	Anatomy/Physiology (Lab)	French 1, 2, 3
English 2	Algebra 2	Am History	Biology (Lab)	German 1, 2, 3, 4
English 3	Calculus	Am History/AP	Biology/AP (Lab)	Latin 1, 2
English 4	Calculus AB/AP	Economics	Chemistry (Lab)	Spanish 1, 2, 3
English Lang & Comp-AP	Calculus BC/AP	Economics/AP	Chemistry/AP (Lab)	Spanish/AP
English Lit & Comp-AP	Geometry	Government/AP	Chemistry/H (Lab)	ASL 1, 2, 3, 4
Journalism	Math Analysis	Law Studies	Forensics 1 (Lab)	Chinese 1, 2, 3
Journalism 2	Pre-Calculus	Psychology	Forensics 2 (Lab)	
Journalism 3	Mathematics for College	Sociology	Marine Science (Lab)	
Journalism 4	Readiness	World History/AP	Physical Science (Lab)	
Writing		Human Geography/AP	Physics (Lab)	
		Psychology/AP	Physics/AP (Lab)	
			Astronomy/H	
			Environmental Science/AP	
			Zoology (Lab)	

# ESE—Exceptional Education

Special services are available for the exceptional student in order to fully meet his/her needs and expectations. All ESE services require staffing eligibility as determined by the district office. Exceptional Education students earning a standard diploma may be served through a variety of service delivery models for courses within the curriculum. The following services are available, as staffed by the district office:

- |                                 |                             |
|---------------------------------|-----------------------------|
| Specific Learning Disabilities  | Speech and Language Therapy |
| Emotional Behavioral Disability | Intellectual Disability     |
| Autism Spectrum Disorder        |                             |

## MINIMUM SUBJECT AREA REQUIREMENTS FOR STUDENTS EARNING A SPECIAL DIPLOMA

Exception to requirements can only be modified with approval from the director of Exceptional Student Support Services

SUBJECT AREAS	ID/PI	SLD/HI	EBD	ID	ID(Participatory)
English 9-12 or Reading 9-12 or Life Skills Communication	4	4	4		
Academic Skills for Functional Living				4	
Cognitive and Linguistic Skills					4
Mathematics 9-12 or Life Skills Math	4	4	4		
Communication Skills for Functional Living				1	
Life Sustaining and Environmental Interaction Skills					4
Science 9-12	3	3	3		
Personal & Home Skills				3	
Developmental-Function Motor and Sensory Skills					4
Social Studies (Skills for Independent Living)	3	3	3		
Community and Social Skills				3	
Preparation for Post-School Adult Living				4	
Leisure/Recreation Skills for Improvement of Quality of Life					4
Unique Skills					4
Skills for Students who are Motor and Other Health Impaired					4
Leisure & Recreation Skills for Functional Living				.5	
Physical Education	.5	.5	.5	.5	
Career Preparation (Previously Employability Skills)	1	1	1		
Prevoc/Vocational Courses				1	
Electives	10.5	10.5	10.5	9.5	

\* Options for earning these credits are flexible and may include a combination of courses.

**Students must meet Sunshine State Standards Access Points for Students with Significant Disabilities at the appropriate level for the Special Diploma. (Exceptional Student Education courses grades 6-12 incorporate the Sunshine State Standards Access Points for Students with significant Cognitive Disabilities)**

<p style="text-align: center;"><b>Math</b></p> <p>7912080 Access Algebra 1A 7912090 Access Algebra 1B 7912060 Access Informal Geometry 7912070 Access Liberal Arts Math</p>	<p style="text-align: center;"><b>English</b></p> <p>7910111 Access English 1/2</p>
<p style="text-align: center;"><b>Science</b></p> <p>7920020 Access Earth/Space Science 7920015 Access Biology 1 7920010 Access Chemistry 1 7920025 Access Integrated Science 1</p>	<p style="text-align: center;"><b>Social Studies</b></p> <p>7921015 Access US Government 7921020 Access Economics TBD Access US History</p>

# Language Arts

**NOTICE**

Summer Reading: Students in all English classes are required to read a book over the summer. Comprehension tests are given the first week of school. The specific titles for each grade and level will be announced in the spring.

**ENGLISH 1 1001310**

PREREQUISITE: NONE

**ENGLISH HONORS 1001320** ✓

PREREQUISITE: TEACHER ADVISEMENT

**ENGLISH 1 HONORS (PRE-AP) 10013200P** ✓

PREREQUISITE: TEACHER ADVISEMENT AND AN INTEREST IN ADVANCED PLACEMENT ENGLISH

**ENGLISH 1 GIFTED/TALENTED 10013200L** ✓

PREREQUISITE: OPEN TO STUDENTS WITH GIFTED PLACEMENT OR TALENTED STUDENTS WITH TEACHER ADVISEMENT

**1 CREDIT** **9**

These courses provide instructions in the fundamentals of grammar, writing and vocabulary, and literature including non-fiction, short story, poetry, drama, and the novel. Applied technical strategies are used to enhance oral and written communication and higher level thinking skills.

**ENGLISH 2 1001340**

PREREQUISITE: NONE

**ENGLISH 2 HONORS 1001350** ✓

PREREQUISITE: TEACHER ADVISEMENT

**ENGLISH 2 HONORS (PRE-AP) 10013500P** ✓

PREREQUISITE: TEACHER ADVISEMENT AND AN INTEREST IN ADVANCED PLACEMENT ENGLISH

**ENGLISH 2 GIFTED/TALENTED 10013500L** ✓

PREREQUISITE: OPEN TO STUDENTS WITH GIFTED PLACEMENT OR TALENTED STUDENTS WITH TEACHER ADVISEMENT

**1 CREDIT** **10**

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 Comprehensive Assessment Test (FCAT). These courses meet graduation requirements for English.

**ENGLISH 3 1001370**

PREREQUISITE: NONE

**ENGLISH 3 HONORS 1001380** ✓

PREREQUISITE: TEACHER ADVISEMENT

**1 CREDIT** **11**

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**

PREREQUISITE: NONE

**ENGLISH 4 HONORS 1001410**

PREREQUISITE: TEACHER ADVISEMENT

**1 CREDIT** **12**

This course incorporates reading and writing study through writing a variety of informative text using grade-level writing craft and through the in-depth reading and analysis of informational selections in order to develop critical reading and writing skills necessary for success in college courses. This course prepares students for successful completion of Florida college English courses. The benchmarks reflect the Florida 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 K -12 Common Core Standards.

**ALTERNATE REQUIRED (\*)**  
All Advanced Placement Courses  
Require a Completed Application

**\*AP ENGLISH LANGUAGE & COMPOSITION** **AP**  
**1001420** **1 CREDIT** **11**

PREREQUISITE: AP STUDENT APPLICATION , AP INSTRUCTOR APPROVAL

This course is designed for highly motivated college-bound students who wish to pursue college level work while still in high school. The purpose is to provide students with an understanding of the semantic, structural, and rhetorical aspects of the English language. Study is designed to develop flexible writers who are able to write in various modes for a variety of purposes.

**\*AP ENGLISH LITERATURE & COMPOSITION** **AP**  
**1001430** **1 CREDIT** **12**

PREREQUISITE: AP STUDENT APPLICATION, AP INSTRUCTOR APPROVAL

This course is designed for the highly motivated college-bound student who wishes to pursue college level work while still in high school. Students study and discuss great works of literature from various genres and periods. Designed to develop the students' understanding of style, subject, and audience, frequent reading and writing assignments focus on the critical analysis of literature. 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 English.

# Language Arts

**\*DEBATE I**

**1007330**                      **1 CREDIT**                      **9-12**

PREREQUISITE: NONE

Debate I 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 who are in Debate are automatically included in the Debate Team. This course satisfies the Fine Arts requirement.**

**\*DEBATE II 1007340**

**\*DEBATE III 1007350**

**\*DEBATE IV 1007360**

**1 CREDIT EACH**

Prerequisite: Previous course in series and teacher approval



**10-12**

**\*THEATER HISTORY AND LITERATURE II (FILM I)**

**0400360**                      **1 CREDIT**

**11-12**

PREREQUISITE: NONE

These courses include the study of theater and film, with an emphasis on film. These classes consist of the history and background of film making, including significant film makers and their major works. The classes focus on valuing film beyond its role as simple entertainment. **This course satisfies the Performing Arts requirement.**

**\*WORLD LITERATURE HONORS (MULTICULTURAL LIT II)**                      **9-12**

**1020850**                      PREREQUISITE: NONE                      **1 CREDIT**

This course continues the study begun in Multicultural Literature with an emphasis on Western and Eastern Literature that are representative of particular cultures and world literature movements from ancient times.

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

**\*CREATIVE WRITING I**                      **1/2 CREDIT**                      **1009320**

**\*CREATIVE WRITING II**                      **1/2 CREDIT**                      **1009330**

**\*CREATIVE WRITING III**                      **1 CREDIT**                      **1009331**

**\*CREATIVE WRITING IV**                      **1 CREDIT**                      **1009332**

**\*CREATIVE WRITING V**                      **1 CREDIT**                      **1009333**



PREREQUISITE: NONE                      **9-12**

These courses allow students to use personal experiences, feelings, and opinions to produce creative literature as they write for pleasure and possible publication in all three genres: short story, poetry, and play writing. Student writing is shared in small groups providing feedback for the authors and for the instructor. Students will help publish the Essence Literary Magazine.

**\*GREAT BOOKS (THE BIBLE AS LITERATURE HONORS)**

**1020860**                      **1 CREDIT**                      **10-12**

PREREQUISITE: NONE

This course allows students to gain knowledge of the major biblical stories, characters, and creation myths needed to understand allusions in all great literature; for example, origin stories, hero stories, psalms, parables, the loss of Eden, and the "Promised" Land. While exploring the history and literature of the Bible and creation myths, we will make sense of the world in which we live and perhaps come to understand ourselves. This course will use the district approved text The Bible as Literature (Scott Foresman 2<sup>nd</sup> edition) and content appropriate supplemental materials.





# Mathematics

**ALTERNATE REQUIRED (\*)**  
**All Advanced Placement Courses**  
**Require a Completed Application**

The following courses or series of courses satisfy the Algebra I graduation requirement:

1. Algebra 1 CPM Block
2. Algebra 1
3. Algebra 1 Honors

**ALGEBRA I** 1200310 9-12

**THIS COURSE IS DESIGNED TO PROVIDE THE FOUNDATION FOR FUTURE SECONDARY MATHEMATICS COURSES AND DEVELOP SKILLS NEEDED TO SOLVE MATHEMATICAL PROBLEMS. TOPICS SHALL INCLUDE, BUT ARE NOT LIMITED TO, FUNCTIONS, LINEAR EQUATIONS AND INEQUALITIES, SYSTEMS OF LINEAR EQUATION AND INEQUALITIES, POLYNOMIALS, OPERATIONS WITH RADICAL EXPRESSIONS, SOLVING QUADRATIC EQUATIONS, AND RATIO AND PROPORTIONS. ALGEBRA I OR ITS EQUIVALENT IS REQUIRED FOR HIGH SCHOOL GRADUATION.**

**ALGEBRA I CPM BLOCK**

12003100C 1 MATH/1 ELECTIVE CREDIT 9-10  
 12004000A

**THE CLASS WILL MEET 2 PERIODS A DAY IN ORDER TO COMPLETE THE ALGEBRA AND INTENSIVE MATH SEQUENCE.**

PREREQUISITE: TEACHER ADVISEMENT/LEVEL 1 FCAT MATH

The purpose of this course is to develop the algebraic concepts and processes that can be used to solve a variety of real world and mathematical problems. Additionally, students will work on test taking skills and problem solving techniques to prepare for the FCAT.

**ALGEBRA 1 HONORS** 1200320

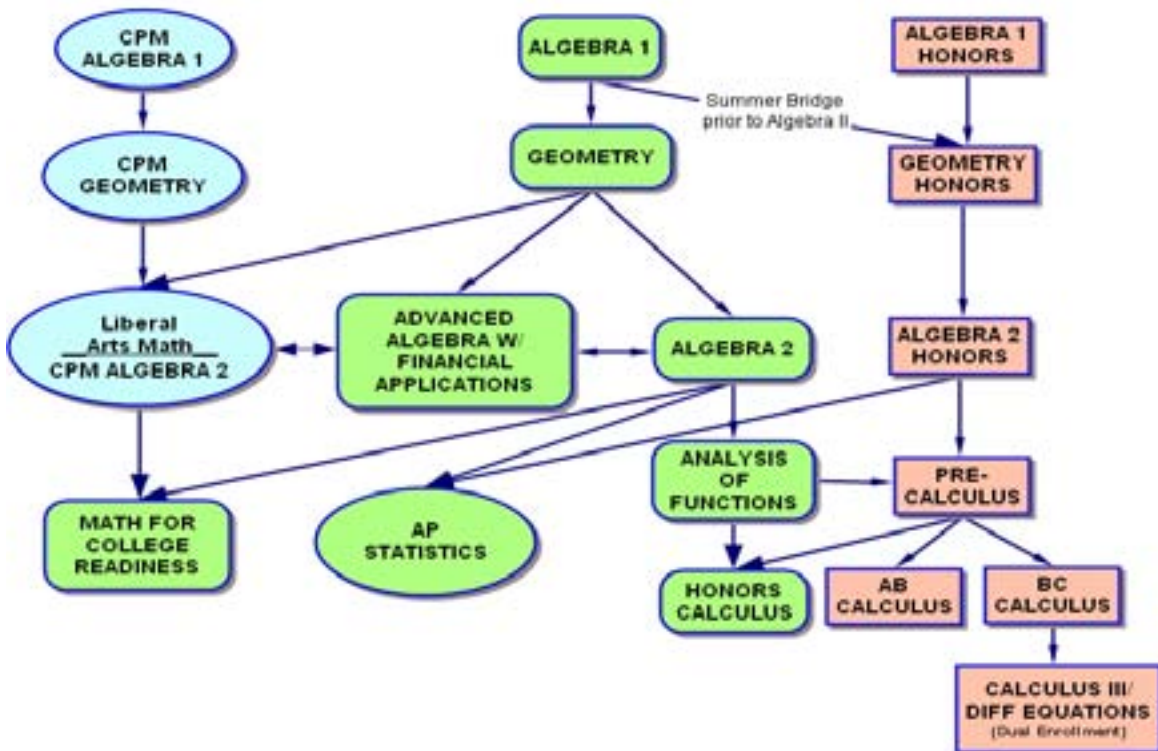
PREREQUISITE: TEACHER ADVISEMENT

1 CREDIT 9-12

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.

**Mathematics**

**2011-2012 HIGH SCHOOL  
 2012-2013 CURRICULUM SEQUENCE**



# Mathematics

**GEOMETRY CPM BLOCK** 12006300C  
12004000G

PREREQUISITE: ALGEBRA CPM OR LEVEL 1 FCAT MATH

1 MATH/1 ELECTIVE CREDIT 10-12

**THE CLASS WILL MEET 2 PERIODS A DAY IN ORDER TO COMPLETE THE GEOMETRY AND INTENSIVE MATH SEQUENCE.**

The purpose of this course is to develop the geometric concepts and processes that can be used to solve a variety of real world and mathematical problems. Additionally, students will work on test taking skills and problem solving techniques to prepare for the FCAT.

**GEOMETRY 1206310** 1 CREDIT 9-12

PREREQUISITE: ALGEBRA 1 OR ALGEBRA BLOCK

This course is designed to develop critical thinking skills in mathematical situations using deduction and discovery. Practical applications of geometric skills and concepts in the real world are included. Topics include, but not limited to, logic and reasoning, proofs, the study of Euclidean geometry of lines, planes, angles, triangles, similarity, congruence, geometric inequalities, polygons and circles, area and volume, and constructions.

**GEOMETRY HONORS 1206320** 1 CREDIT

9-12

PREREQUISITE: ALGEBRA 1



This course includes a rigorous, in-depth study of all of the Geometry topics as well as, but not limited to, truth tables, vectors, Fibonacci sequence, coordinate geometry proofs, proofs involving circles and problems involving cross sections of solids.

**GEOMETRY GIFTED & TALENTED 1206320L** 1 CREDIT 9-10

PREREQUISITE: ALGEBRA 1. OPEN TO STUDENTS WITH GIFTED PLACEMENT OR MATHEMATICALLY TALENTED STUDENTS WITH TEACHER ADVISEMENT



This course includes a rigorous, in-depth study of all of the Geometry topics as well as, but not limited to, truth tables, vectors, Fibonacci sequence, coordinate geometry proofs, proofs involving circles, problems involving cross sections of solids, integrating algebra topics, application problems, equations and inequalities, functions and their inverses, systems of linear equations and inequalities, polynomials, rational expressions and equations, radical expressions and equations, and quadratic equations.

## NOTICE

The courses that follow require the use of a graphing calculator. These courses will utilize the TI-83 or 84 series of graphing calculators. A rental program is available through the Math Department on a limited basis.

**ALGEBRA 2 CPM BLOCK** 1203300C  
1208300

PREREQUISITE: GEOMETRY CPM OR LEVEL 1 FCAT MATH

1 MATH/1 ELECTIVE CREDIT 11-12

**THE CLASS WILL MEET 2 PERIODS A DAY IN ORDER TO COMPLETE THE ALGEBRA 2 AND INTENSIVE MATH SEQUENCE.**

The purpose of this course is to develop the advanced algebraic concepts and processes that can be used to solve a variety of real world and mathematical problems. Additionally, students will work on test taking skills and problem solving techniques to prepare for the FCAT.

**ALGEBRA 2 1200330**

PREREQUISITE: GEOMETRY

1 CREDIT 9-12

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, absolute value equations, linear equations and inequalities, functions and their inverses, systems of linear equations and inequalities, polynomials, rational expressions and equations, radical expressions and equations, quadratic equations, exponential and logarithmic functions and sequences and series.

**ADVANCED ALGEBRA WITH FINANCIAL APPLICATIONS**

1200500 1 CREDIT 10-12

PREREQUISITE: ALGEBRA 1, GEOMETRY, AND TEACHER ADVISEMENT

This course is designed to give students the knowledge and understanding that will enable them to make appropriate decisions in financial management through Algebraic calculations. Topics include, simple & compound interest, future value, present value,

finance charges, deferred payments, balloon mortgage, points, personal budget, federal income tax, insurance options and fees, retirement plans, diversification in investments, and stocks.

**ALGEBRA 2 HONORS 1200340**



PREREQUISITE: GEOMETRY 1 CREDIT

9-12

This course includes a rigorous, in-depth study of all the Algebra II topics except rational expressions and equations, absolute value equations and inequalities, all of which were previously studied in Algebra I Honors. Additional topics studied in this course include, but are not limited to, piecewise functions, binomial expansion theorem, discontinuities, asymptotic behavior in rational graphs, non-linear systems of equations, conic sections and partial sums of arithmetic and geometric series.

**ALGEBRA 2 GIFTED & TALENTED 1200340L**



PREREQUISITE: GEOMETRY. OPEN TO STUDENTS WITH GIFTED PLACEMENT OR MATHEMATICALLY TALENTED STUDENTS WITH TEACHER ADVISEMENT

1 CREDIT

9-12

This course includes a rigorous, in-depth study of all the Algebra II topics except rational expressions and equations, absolute value equations and inequalities, all of which were previously studied in Algebra I Honors. Additional topics studied in this course include, but are not limited to, piecewise functions, binomial expansion theorem, conic sections and partial sums of arithmetic, matrices, decomposition of functions, combinations, difference quotient, geometric series, and heavier emphasis on application problems.

# Mathematics

## NOTICE

The courses that follow require the use of a TI-83 or TI-84 graphing calculator. A rental program is available through the Math Department on a limited basis.

## NOTICE

Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

### MATHEMATICS FOR COLLEGE READINESS

**1200700** 1 CREDIT 12  
**12007000A**

PREREQUISITE: ALGEBRA II, GRADE 12 AND TEACHER ADVISEMENT

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 linear equations and inequalities, systems of equations, quadratic equations, radical equations, rational equations, polynomials and modeling. This course is supplemented with a graphing calculator.

### ANALYSIS OF FUNCTIONS HONORS

**1201310** 1 CREDIT 11-12 ✓

PREREQUISITE: ALGEBRA 2 AND TEACHER RECOMMENDATION

This course is designed to prepare students to be successful in Precalculus. Topics include but are not limited to an in depth study of graphing, piece-wise functions, polynomials, rational expressions and equations, exponential and logarithmic functions, and trigonometric functions and their inverses.

### PRE-CALCULUS HONORS 1202340

PREREQUISITE: ALGEBRA 2 ✓

### PRE-CALCULUS GIFTED & TALENTED 1202340L

PREREQUISITE: ALGEBRA 2. OPEN TO STUDENTS WITH GIFTED PLACEMENT OR MATHEMATICALLY TALENTED STUDENTS WITH TEACHER ADVISEMENT ✓

1 CREDIT 10-12

This course is designed to provide a foundation for the study of Calculus. Topics include, but are not limited to, an analysis of polynomial and trigonometric functions, Pythagorean and trigonometric identities, law of sines, law of cosines, sum and difference formulas, half angle and double angle formulas, conic sections, vectors, parametric equations, polar coordinates, finite and infinite sequences and series, and limits and continuity.

### CALCULUS HONORS

**1202300** 1 CREDIT 11-12 ✓

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, antiderivatives, Riemann Sums, and Fundamental Theorem of Calculus. Use of graphing calculator is required.

### AP

#### \*AP STATISTICS

**1210320** 1 CREDIT 10-12

PREREQUISITE: ALGEBRA 2 HONORS, AP STUDENT APPLICATION, AND AP INSTRUCTOR APPROVAL

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. This course is taught utilizing the TI-83 or TI-84 series of graphing calculators.

#### AP CALCULUS AB

**1202310** 1 CREDIT 11-12

PREREQUISITE: PRE-CALCULUS, STUDENT APPLICATION AND AP INSTRUCTOR APPROVAL

This course is designed for the highly motivated college-bound student who wishes to pursue college level work while still in high school. This course is intended for students who have a thorough knowledge of college preparatory mathematics. It is a course in introductory calculus with elementary (algebraic, trigonometric, exponential, and logarithmic) functions. Topics include, but are not limited to, functions and graphs, limits and continuity, derivatives and integrals and their applications. This course is taught utilizing the TI-89 series of graphing calculators.

### AP

#### \*AP CALCULUS BC

**1202320** 1 CREDIT 11-12

PREREQUISITE: PRE-CALCULUS, AP STUDENT APPLICATION AND AP INSTRUCTOR APPROVAL

This course is designed for the highly motivated college-bound student who wishes to pursue college level work while still in high school. This course is intended for students who have a thorough knowledge of college preparatory mathematics and elementary (algebraic, trigonometric, exponential, and logarithmic) functions. Topics from the AB course are presented with increased rigor and more applications. This course is taught utilizing the TI-89 series of graphing calculators.



# Science

**ALTERNATE REQUIRED (\*)**  
**All Advanced Placement Courses**  
**Require a Completed Application**

## ENVIRONMENTAL SCIENCE

**2001340** 1 CREDIT 9

**PREREQUISITE:** NONE

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 1 (a graduation requirement). In the second year of the sequence, students will be administratively enrolled in Biology 1.

molecular genetics, evolution, ecology, taxonomy, and the anatomy and physiology of plants and animals. 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.

## BIOLOGY 1

**2000310** 1 CREDIT 9-10

**PREREQUISITE:** NONE

This course is designed to help students develop skills in the areas of cooperative learning, critical thinking, the scientific method, and the utilization of technology in the research of contemporary problems and issues. The study of life processes will include cellular biology, genetics, ecology, animal and plant anatomy and physiology, as well as an introduction to the structure and function of the human body. 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.

## CHEMISTRY 1

**2003340** 1 CREDIT 10-12

**20033400E**

**PREREQUISITE:** BIOLOGY AND TEACHER ADVISEMENT

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.

## BIOLOGY 1 HONORS

**2000320** 1 CREDIT 9

**PREREQUISITE:** TEACHER ADVISEMENT—COMPLETED OR CONCURRENT ENROLLMENT IN ALGEBRA 1 HONORS

## CHEMISTRY 1 HONORS

**2003350** 1 CREDIT 10-12

**20033500E**

**PREREQUISITE:** TEACHER ADVISEMENT, BIOLOGY 1, AND ALGEBRA 1

## BIOLOGY 1 GIFTED & TALENTED

**20003200L** 1 CREDIT 9

**PREREQUISITE:** TEACHER ADVISEMENT—OPEN TO STUDENTS WITH GIFTED PLACEMENT OR TALENTED STUDENTS WITH TEACHER ADVISEMENT

## CHEMISTRY GIFTED/TALENTED

**20033500L** 1 CREDIT 10-12

**PREREQUISITE:** BIOLOGY 1, AND ALGEBRA 1. OPEN TO STUDENTS WITH GIFTED PLACEMENT OR TALENTED STUDENTS WITH TEACHER ADVISEMENT.

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 a significant component in the course and offer students an opportunity to become familiar with scientific instruments and experimental methods.

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.

## \*AP BIOLOGY

**AP**

**20003400F** 1 CREDIT 9

**PREREQUISITE:** GEOMETRY HONORS AND STUDENT APPLICATION.

**2000340** 1 CREDIT 10-12

**PREREQUISITE:** BIOLOGY 1 HONORS, CHEMISTRY HONORS, AP STUDENT APPLICATION, AND AP INSTRUCTOR APPROVAL

## PHYSICAL SCIENCE

**2003310** 1 CREDIT 10-11

**PREREQUISITE:** BIOLOGY 1 AND TEACHER RECOMMENDATION

This course will prepare students to develop an understanding of the role of chemical and physical technology in everyday life and society. Laboratory activities and safe laboratory techniques are an essential component of the course and allow students to become familiar with scientific instruments and methods as well as provide opportunities to study the concepts of matter, energy, and forces, and their applications through exploratory investigations and activities. This course fulfills the graduation requirement for an "Equally Rigorous course" as defined by the Florida Department of Education.

This course is a first year college biology course. The content includes but is not limited to, cell biology, biochemistry, classical genetics,

# Science

## PHYSICS 1

**2003380** 1 CREDIT 11-12

**20033800E**

PREREQUISITE: CHEMISTRY, ALGEBRA 2 (CONCURRENT OR COMPLETED)

This course will provide students with an introduction to matter, energy, and the forces of nature. Topics include, but are not limited to, mechanics, optics, sound, electricity and magnetism. Laboratory activities and safe laboratory techniques are an essential component of the course.

## PHYSICS 1 HONORS

**2003390** 1 CREDIT 11-12

**20033900E**

PREREQUISITE: CHEMISTRY, ALGEBRA 2 (CONCURRENT OR COMPLETED)

## PHYSICS 1 GIFTED/TALENTED

**20033900L** 1 CREDIT 11-12

PREREQUISITE: CHEMISTRY HONORS, ALGEBRA 2 (COMPLETED OR CONCURRENT) OPEN TO STUDENTS WITH GIFTED PLACEMENT OR TALENTED STUDENTS WITH TEACHER ADVISEMENT

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 and offer students an opportunity to become familiar with scientific instruments and methods.

## FORENSIC SCIENCE I

**2002480** 1 CREDIT 10

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. Students will find the course work challenging, rewarding, and of great value especially in their college classes.

## FORENSIC SCIENCE II

**2002490** 1 CREDIT 11-12

PREREQUISITE: FORENSIC SCIENCE I

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. Students will find the course work challenging, rewarding, and of great value especially in their college classes.

## ANATOMY AND PHYSIOLOGY

**2000350** 1 CREDIT 11-12

PREREQUISITE: BIOLOGY I

This course provides exploratory activities in the structure and

function of the components of the human body. This course will include a study of the organ-systems of the body utilizing anatomical terminology to describe and/or explain structure, composition, and physiological processes. 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.

## ANATOMY AND PHYSIOLOGY HONORS

**2000360** 1 CREDIT 11-12

PREREQUISITE: BIOLOGY AND TEACHER ADVISEMENT

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** 1 CREDIT 10-12

PREREQUISITE: COMPLETION OF BIOLOGY 1 AND COMPLETION OR CONCURRENT ENROLLMENT IN CHEMISTRY OR PHYSICAL SCIENCE.

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

## MARINE SCIENCE I

**2002500** 1 CREDIT 11-12

PREREQUISITE: BIOLOGY, ONE ADDITIONAL SCIENCE, AND TEACHER ADVISEMENT

The purpose of this course is to provide students with an understanding of the coastlines and tidal zones, tropical ocean and reef inhabitants, and deep marine organisms. Economic implications of marine resources and the impact of pollution of marine environment will be included. 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.

## \*MARINE SCIENCE 1 HONORS

**2002510** 1 CREDIT 11-12

PREREQUISITE: BIOLOGY, ONE ADDITIONAL SCIENCE, AND TEACHER ADVISEMENT

Florida's extensive coastline is an ideal location to begin a study of the ocean and its inhabitants. The creatures that inhabit this realm are fascinating and mysterious. In this course, students will study the coastlines and tidal zones, tropical oceans and reef inhabitants, deep marine organisms and arctic region organisms. Economic implications of marine resources and the impact of pollution on marine environments will be included. 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.

# Science

**\*ASTRONOMY SOLAR/GALACTIC HONORS**  
2020910 1 CREDIT

✓  
12

**PREREQUISITE:** PHYSICS 1

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.

**\*AP PHYSICS C**

2003430

1 CREDIT

**AP**

12

**PREREQUISITE:** PHYSICS HONORS, CALCULUS (MUST BE CONCURRENT), AP STUDENT APPLICATION, AP INSTRUCTOR APPROVAL

AP Physics C is a Calculus based college level course in physics. AP Physics C is divided into two sections: classical mechanics and electricity/magnetism. 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 CHEMISTRY**

2003370

1 CREDIT

**AP**

11-12

**PREREQUISITE:** CHEMISTRY HONORS, ALGEBRA 2 HONORS (CONCURRENT OR COMPLETED), AP STUDENT APPLICATION, AP INSTRUCTOR APPROVAL

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 ENVIRONMENTAL SCIENCE**

2001380

1 CREDIT

**AP**

10-12

**PREREQUISITE:** BIOLOGY, CHEMISTRY AND GEOMETRY (OR CONCURRENT), AP STUDENT APPLICATION, AND AP TEACHER APPROVAL

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 PHYSICS B**

2003420

1 CREDIT

**AP**

12

**PREREQUISITE:** PHYSICS HONORS, AP STUDENT APPLICATION, AP INSTRUCTOR APPROVAL

AP Physics B is a college level course in physics that prepares the high school student to seek credit and/or appropriate placement in college physics courses. The content shall include, but not be limited to, kinematics, Newton's laws of motion, conservation laws in classical mechanics, topics in mechanics, kinetic theory and thermodynamics, electrostatics, electric circuits, magnetism, waves and optics, and modern physics. 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.

**\*EXPERIMENTAL SCIENCE I (SCIENCE RESEARCH)**

2002340

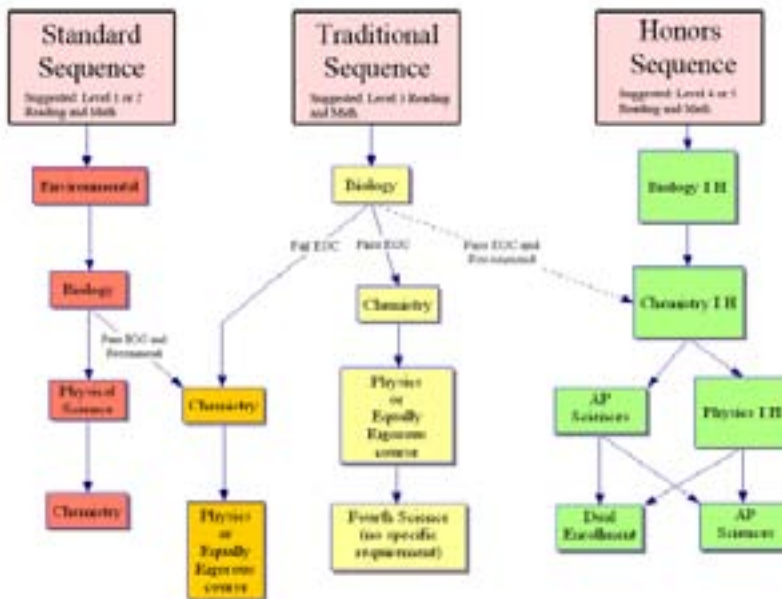
1 CREDIT

✓

10-12

**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.



Freshman  
Year

Sophomore  
Year

Junior  
Year

Senior  
Year

# Social Studies

**ALTERNATE REQUIRED (\*)**  
All Advanced Placement Courses  
Require a Completed Application



## WORLD HISTORY 2109310

PREREQUISITE: NONE

## WORLD HISTORY HONORS 2109320



PREREQUISITE: TEACHER ADVISEMENT

1 CREDIT

10

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

AP

2109420

1 CREDIT

10

PREREQUISITE: 9TH GRADE HONORS ENGLISH, AP STUDENT APPLICATION, AP INSTRUCTOR APPROVAL

The purpose of AP World History is 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 prior to 1000 A.D. 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. This course meets graduation requirements for World History.

## UNITED STATES HISTORY

2100310

PREREQUISITE: NONE

## UNITED STATES HISTORY HONORS

2100320



PREREQUISITE: TEACHER ADVISEMENT

1 CREDIT

11

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.

## AP AMERICAN HISTORY

AP

2100330

1 CREDIT

11

PREREQUISITE: WORLD HISTORY, AP APPLICATION, AP INSTRUCTOR APPROVAL

This course is designed for the highly motivated college-bound student who wishes to pursue college level work while still in high school. This course includes advanced content in American history, emphasizing critical essay writing, primary and secondary source research techniques, and in-depth interpretations and analysis of the traditional historical periods of a chronological survey in American history. 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 History.

## ECONOMICS 2102310

PREREQUISITE: NONE

## ECONOMICS HONORS 2102320



PREREQUISITE: TEACHER ADVISEMENT

1/2 CREDIT

12

This course is a study of the ways society uses its limited resources to satisfy unlimited wants. Content includes basic economic problems; the market system and structures; the roles of labor, business and financial institutions; the role of the consumer and producer; international trade; and the history of economic thought. This course meets graduation requirements for Economics.

## \*AP MACROECONOMICS

AP

2102370

1/2 CREDIT

12

PREREQUISITE: AP STUDENT APPLICATION, AP INSTRUCTOR APPROVAL

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, with lesser attention given to microeconomics or the study of the individual components of the economy. 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.

# Social Studies

**AMERICAN GOVERNMENT 1/2 CREDIT 2106310**

PREREQUISITE: NONE

**AMERICAN GOVERNMENT HONORS**  
**2106320 1/2 CREDIT**



12

PREREQUISITE: TEACHER ADVISEMENT

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 AMERICAN GOVERNMENT**

**AP**

**2106420 1/2 CREDIT**

12

PREREQUISITE: AP STUDENT APPLICATION, AP INSTRUCTOR APPROVAL

This course provides students with the opportunity to develop the analytical skills and factual knowledge necessary to deal critically with the problems, content, and materials of American government. Emphasis is placed on content and 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**

**AP**

**0100300 1 CREDIT**

11-12

PREREQUISITE: AP INSTRUCTOR APPROVAL AND STUDENT APPLICATION

THIS COURSE DOES MEET PERFORMING ARTS CREDIT.

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.

**HUMANITIES 1**



**0900310 1/2 CREDIT 10-12**

PREREQUISITE: NONE

The purpose of this course is to enable students to develop knowledge of representative works of literature and related visual and performing arts from antiquity through the Renaissance. 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.

**HUMANITIES 2**



PREREQUISITE: NONE

**0900320 1/2 CREDIT 10-12**

The purpose of this course is to enable students to develop knowledge of representative works of literature and related visual and performing arts from post-Renaissance through the modern era. 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.



**\*SOCIOLOGY**

**2108300 1/2 CREDIT 10-12**

PREREQUISITE: NONE

This course is a study of human society and social behavior. The purpose of the course is to provide students a basic understanding of how human behavior is shaped largely by the groups to which people belong and by the social interaction that takes place within those groups.

**AP PSYCHOLOGY**

**AP**

**2107350 1 CREDIT 11-12**

PREREQUISITE: AP STUDENT APPLICATION, AP INSTRUCTOR APPROVAL

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. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

# Social Studies

## \*AP EUROPEAN HISTORY

2109380

1 CREDIT

AP

11-12

**PREREQUISITE:** AP STUDENT APPLICATION, AP INSTRUCTOR APPROVAL

This course is designed to develop the analytical skills and factual knowledge necessary to deal critically with the problems, content and materials of European historic development. This is accomplished by focusing on persistent themes and changes in history by applying historical reasoning to seek solutions to contemporary problems and by developing advanced critical thinking and essay writing skills. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

## \*AP HUMAN GEOGRAPHY

21034000F

1 CREDIT

AP

9

2103400

1 CREDIT

11-12

**PREREQUISITE:** AP STUDENT APPLICATION, AP INSTRUCTOR APPROVAL

Advanced Placement Human Geography combines the excitement of studying foreign cultures, the utilization of media technologies, and the chance to participate in an array of creative projects. The purpose of Human Geography is to expose students to the world's locations, cultures, economies, and governments. Students develop an understanding of spatial concepts, landscape analysis, and environmental plights. Through the class structure, students will have the opportunity to listen to a variety of speakers, including GPS operators, foreign exchange students, international business leaders, and ethnic citizens. Students also integrate media technologies, such as the internet, video, radio, and television to create projects concerning specific topics in Human Geography. This course stresses hands-on participation to yield an overall understanding of the world and its people. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

## LAW STUDIES

### STREET LAW

1700300 (SPEECH)

1.0

GRADE 9

2106350 (LAW STUDIES)

**PREREQUISITE:** NONES

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

1.0

10-12



**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.



# World Languages

**ALTERNATE REQUIRED (\*)**  
**All Advanced Placement Courses**  
**Require a Completed Application**

## \*SPANISH 1

0708340 1 CREDIT 9-12

**PREREQUISITE:** ENGLISH TEACHER ADVISEMENT

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 Spanish speaking countries.

## \*GERMAN 1

0702320 1 CREDIT 9-12

**PREREQUISITE:** ENGLISH TEACHER ADVISEMENT

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 German speaking countries.

## \*SPANISH 2

0708350  
**PREREQUISITE:** SPANISH 1, SPANISH TEACHER ADVISEMENT  
 1 CREDIT 9-12

This course 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 further developed through expanded vocabulary and more complex grammatical structures. Culture, history, and geography will be studied in greater depth.



## \*GERMAN 2

0702330 1 CREDIT 10-12

**PREREQUISITE:** GERMAN 1, GERMAN TEACHER ADVISEMENT

This course 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 further developed through expanded vocabulary and more complex grammatical structures. Culture, history, and geography will be studied in greater depth.

## \*SPANISH 3

0708360 1 CREDIT 10-12

**PREREQUISITE:** SPANISH 2, SPANISH TEACHER ADVISEMENT, AN INTEREST IN AP SPANISH

This course is designed for students to master and build upon the skills acquired in Spanish 2. Students will participate in progressively more challenging conversations and communicate successfully in basic survival situations. Opportunities for enjoyment of the customs, ideas, and heritage will increase.

**AP**

## \*GERMAN 3

0702340 1 CREDIT 11-12

**PREREQUISITE:** GERMAN 2, GERMAN TEACHER ADVISEMENT

This course is designed for students to master and build upon the skills acquired in German 2. Students will participate in progressively more challenging conversations and strive to communicate successfully in basic survival situations. Opportunities for enjoyment of the customs, ideas, and heritage will increase.



## AP GERMAN

0702380 1 CREDIT 9-12

**PREREQUISITE:** GERMAN 3, AP STUDENT APPLICATION, AP INSTRUCTOR APPROVAL

This course is taught at a college level and will help the student prepare for the AP German Exam given at the end of the school year. Based on the results of the Advance Placement Exam, college credit may be awarded by participating colleges and universities.

**AP**

## \*AP SPANISH LANGUAGE

0708400 1 CREDIT 10-12

**PREREQUISITE:** SPANISH 3, AP STUDENT APPLICATION, AP INSTRUCTOR APPROVAL

The program involves in-depth practice of language skills for those students who wish to be prepared at a more advanced level. The course is taught at a college level and will help prepare students for the AP test given at the end of the school year. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

**AP**

## \*AP SPANISH LITERATURE

0708410 1 CREDIT 11-12

**PREREQUISITE:** AP SPANISH LANGUAGE, AP STUDENT APPLICATION, AP INSTRUCTOR APPROVAL

This course is taught at a college level and will help the student prepare for the AP Literature exam given at the end of the school year. This course is offered to English speaking and native speaking students who have passed the AP Spanish Language test. Based on the results of the Advanced Placement exam, college credits may be awarded by participating colleges and universities.

# World Languages

Students who select American Sign Language should be aware that it is unlikely that it will count as a foreign language credit by colleges and universities outside of Florida. The Florida University system has agreed that a sequence of courses in American Sign Language will meet the foreign language credit entrance requirement.

## \*AMERICAN SIGN LANGUAGE 1

0717300

1 CREDIT

9-12

**PREREQUISITE:** ENGLISH TEACHER ADVISEMENT

This course will teach hearing students basic conversational skills in American Sign Language (ASL) and awareness of various aspects of deafness. The content includes conversational vocabulary and the grammatical features and principles of ASL and the audiological, educational, social, cultural, and historic aspects of deafness.

## \*AMERICAN SIGN LANGUAGE 2

0717310

1 CREDIT

10-12

**PREREQUISITE:** AMERICAN SIGN LANGUAGE 1, ASL TEACHER ADVISEMENT

This course will further develop knowledge of sign language 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. Students will create a video demonstrating meaningful dialogues, narratives and dramas.

## \*AMERICAN SIGN LANGUAGE 3

0717312

1 CREDIT

11-12



**PREREQUISITE:** AMERICAN SIGN LANGUAGE 2, ASL TEACHER ADVISEMENT

Hearing students will learn intermediate sign language skills and become advanced communicators in sign language. The content includes conversational vocabulary and grammatical features of sign language systems, audiological, educational, social, legal, and cultural aspects of deafness.

## \*AMERICAN SIGN LANGUAGE 4

0717314

1 CREDIT

11-12



**PREREQUISITE:** AMERICAN SIGN LANGUAGE 3, ASL TEACHER ADVISEMENT

Hearing students will learn intermediate sign language skills and become advanced communicators in sign language. The content includes conversational vocabulary and grammatical features of sign language systems, audiological, educational, social, legal, and cultural aspects of deafness.



# Alternates

**ALTERNATE REQUIRED (\*)**  
All Courses are Elective Credits for Graduation. No Course is an Academic Elective for college.

## \*LEADERSHIP SKILLS DEVELOPMENT & TECHNIQUES

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

<b>1 CREDIT</b>	<b>2400300—1<sup>ST</sup> YEAR</b>	<b>9-12</b>
	<b>2400310—2<sup>ND</sup> YEAR</b>	
	<b>170032000—3<sup>RD</sup> YEAR</b>	
	<b>170033000—4<sup>TH</sup> YEAR</b>	

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, Student Congress, Adopt-a-Road, and District Student Government. This class also requires the dress code of the executive business world on certain occasions.

## \*PEER COUNSELING

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

<b>PEER COUN.</b>	<b>1400300 (SEM. 1)</b>	<b>1/2-1 CREDIT</b>	<b>12</b>
	<b>1400310 (SEM. 2)</b>		
<b>ELEM. SCHOOL</b>	<b>0500340</b>	<b>2 CREDITS</b>	<b>12</b>
	<b>0500350</b>		

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. Placement priority will cover exceptional education classes first. Elementary volunteers must provide their own transportation.

## \*PEER CONNECTORS

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

<b>1 CREDIT</b>	<b>1400320—1<sup>ST</sup> YEAR</b>	<b>11-12</b>
	<b>1400330—2<sup>ND</sup> YEAR</b>	

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.

<b>*COMPACT I</b>	<b>0500520</b>	
<b>*COMPACT II</b>	<b>0500530</b>	
<b>1/2 CREDIT EACH</b>		<b>11-12</b>

**PREREQUISITE:** A COMPLETED APPLICATION FORM.

The COMPACT Program offers students the opportunity to get their academics back on track and stay on track leading towards graduation. By demonstrating competence using computer-assisted instruction, students are able to recover credits for specified failed academic classes. Students are limited to enrollment for two semesters. Students who are not academically successful in other classes or lose credit due to attendance may be removed from COMPACT.

<b>*PC SUPPORT I</b>	<b>8207210</b>	
<b>*PC SUPPORT II</b>	<b>8207220</b>	
<b>*PC SUPPORT III</b>	<b>8207230</b>	
<b>*PC SUPPORT IV</b>	<b>8207240</b>	
<b>1 CREDIT</b>		<b>9-12</b>

**PREREQUISITE:** NETWORK SPECIALIST APPROVAL.

This course focuses on system support, maintenance, and basic network concepts. The content includes computer software and hardware applications including installation, troubleshooting, diagnostic techniques, and repair of system components.

## \*DANCE REPERTORY I

<b>PREREQUISITE:</b> MARIONETTE TRYOUTS		
<b>03004000M</b>	<b>1 CREDIT</b>	<b>9-12</b>
<b>PREREQUISITE:</b> COLOR GUARD TRYOUTS		
<b>03004100G</b>	<b>1 CREDIT</b>	<b>9-12</b>
<b>PREREQUISITE:</b> CHEERLEADER TRYOUTS		
<b>03004200C</b>	<b>1 CREDIT</b>	<b>10-12</b>

The purpose of these courses is to provide students with in-depth instruction and opportunities for performance to further enhance and develop techniques. Color Guard and Marionette students additionally receive instruction in the development of skills in the art of performing various bodily movements in rhythm using musical accompaniment. After school rehearsals and performance are required.

# Career Education

## INDUSTRY CERTIFICATION:

Students taking advantage of Lake Mary's Career Ed Programs will have the opportunity to take Industry Certification exams that will provide students with a sense of accomplishment, a highly valued professional credential, and helps make them more employable with higher starting salaries. Certification exams are given in Digital Design, Web Design, Early Childhood Ed, Carpentry, and Drafting Design Technology.

## CAREER PATHWAYS:

Students can earn college credits through Seminole State College to be applied to Associate in Science Degree Programs in these Lake Mary High School Programs: Digital Design 1, Web Design 1 & 2, Drafting and Design Tech. 3, Early Childhood Education 2 & 3. *See Page 5 for more information.*

## GOLD SEAL:

The Florida Gold Seal Scholars Award is one of the Bright Futures Scholarship Programs available to students who plan to attend college in Florida. Students must be a vocational program completer by earning 3 credits in one Career Ed program. *See Page 14 for more information.*

### CARPENTRY & CABINET MAKING 8722100

Carpentry & Cabinet Making 1, 2, 3, & 4

### TRANSPORTATION TECHNOLOGY 8601200

Transportation Technology 1, 2, & 3

### DIVERSIFIED COOPERATIVE TRAINING 8303000

Diversified Cooperative Training 1, 2, & 3

### EARLY CHILDHOOD EDUCATION 8503210

Early Childhood Education 1, 2, 3, & 4

### DRAFTING AND DESIGN TECHNOLOGY 8600800

Drafting & Design Technology 1, 2, 3, & 4


### DIGITAL DESIGN 8209600

CCC, Digital Design 1, 2, 3, 4, & 5

### WEB DESIGN 8207500

CCC, Web Design 1, 2, 3, & 4

## CAPE ACADEMY PROGRAM:



### Digital Media

Advanced Web Design and Advanced Digital Design working with English 3 & 4 and Economics.

### S.T.E.M.

Science, Technology, Engineering, & Math Advanced Drafting working with Physics and Astronomy.

## BUSINESS TECHNOLOGY EDUCATION

### \*DIGITAL DESIGN 1

8209510

1 CREDIT

9-12 

PREREQUISITE: NONE

Students learn to electronically create and publish newsletters, flyers, greeting cards, brochures, stationery, magazine covers, and a children's book. Students will produce a full-color 12 month calendar. Students will become proficient in industry standard programs in photo imaging, page layout, and drawing. **This Course satisfies the Fine Art requirement.**

### \*DIGITAL DESIGN 2, 3, 4, 5 (RAM PUBLISHING)

1 CREDIT EACH

10-12

2—8209520

3—8209530

4—8209540

5—8209550



PREREQUISITE: DIGITAL DESIGN 1

These courses involve advanced electronic applications in creating and publishing real projects for teachers and staff such as passes, tests, study guides, forms, certificates, programs, and much more. Must have a "can-do" attitude and be able to work independently and cooperatively and with confidentiality. These courses utilize word processing and page layout skills, multimedia, presentation, and Web Page design software. **More than one course may be taken concurrently.**



# Career Education

## FOUNDATIONS OF WEB DESIGN

9001110

1 CREDIT



9

PREREQUISITE: NONE.

This course is designed to provide a basic overview of the Internet, Intranet, and WWW. The content includes operating systems, basic HTML commands, an introduction to JavaScript, navigation of the Internet and Web, and Web page design. **This course satisfies the Fine Art requirement.**

## USER INTERFACE DESIGN

9001120

1 CREDIT



10-12

PREREQUISITE: FOUNDATIONS OF WEB DESIGN

This course will enhance and enrich the concepts in web page layout and theory. Students learn to use Macromedia Dreamweaver to design and layout web pages. Students will also learn to use Macromedia Flash and Fireworks to produce web page animation, and graphic-rich, interactive web pages.

### \*WEB DESIGN 3 8207130

PREREQUISITE: WEB DESIGN 2



### \*WEB DESIGN 4 8207140

PREREQUISITE: WEB DESIGN 2 AND/OR 3



### \*WEB DESIGN 5 8207150

PREREQUISITE: WEB DESIGN 2, 3, AND/OR 4



1 CREDIT EACH

11-12

These courses involve advanced design concepts for creating web pages. Students will use their advanced skills to create and maintain web pages for the school's web site. (Web Design 3 & 4 can be taken concurrently)

## DIVERSIFIED OCCUPATION (JOB-CREDIT PROGRAM)

### \*COOPERATIVE DIVERSIFIED EDUCATION (CDE)

UP TO 7 CREDITS

830042007-7TH PERIOD

12

830042606-6TH PERIOD

830042505-5TH PERIOD

830042404-4TH PERIOD

830042303-3RD PERIOD

830042202-2ND PERIOD

830042101-1ST PERIOD

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, i.e., a student in CDE for periods 5, 6, and 7 must work a minimum of 15 hours per week. 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 7<sup>th</sup> period. If registering for multiple credits, you must choose sequential periods.

## \*DIVERSIFIED COOPERATIVE TRAINING 1 (DCT 1)

8303010

1 CREDIT

10-12

PREREQUISITE: NONE

This course is designed to teach students fundamental employment skills through classroom instruction and actual on-the-job training with a major focus on future professional careers. Topics of interest include job interview, budgeting for independent living (what it takes to move out on your own), filing tax returns, insurance, investing for the future, business management, entrepreneurship and career exploration. It is geared for both the college-bound student and the technology/vocational student. Participation in DCT Club activities (during class time) and early release from school for those taking OJT concurrently. After completing DCT 1, 2, 3 students are eligible for the Gold Seal Scholarship (DCT 2 & 3 may be taken concurrently).

## \*DIVERSIFIED COOPERATIVE TRAINING 2 (DCT 2)

8303020

1 CREDIT

11-12

PREREQUISITE: DIVERSIFIED COOPERATIVE TRAINING 1

## \*DIVERSIFIED CAREER TECHNOLOGY MANAGEMENT (DCT 3)

8303030

1 CREDIT

11-12

PREREQUISITE: DIVERSIFIED COOPERATIVE TRAINING 2

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

## DIVERSIFIED COOPERATIVE TRAINING (OJT)

UP TO 7 CREDITS

830041007-7TH PERIOD

11-12

830041606-6TH PERIOD

830041505-5TH PERIOD

830041404-4TH PERIOD

830041303-3RD PERIOD

830041202-2ND PERIOD

830041101-1ST PERIOD

PREREQUISITE: DIVERSIFIED COOPERATIVE TRAINING 1

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.



# Career Education

## FAMILY AND CONSUMER SCIENCE

### \*EARLY CHILDHOOD EDUCATION I

8405110 1 CREDIT 9-12

PREREQUISITE: NONE

This is an introductory course for the student who enjoys working with young children in order to advance their child care skills, to plan for employment in child care centers, and to develop a better understanding of child development leading to a future in teaching and other child-oriented professions. Students will acquire competencies in state rules and regulations; clean, safe and healthy learning environments; food service and nutrition education; child abuse and neglect; principles of child development; developmentally appropriate practices including methods of guidance; professionalism; communication; leadership and organizational skills; community resources; career opportunities; observation and recording methods. Upon successful course completion and an optional state test, students may receive certification for the Department of Children and Families 20-hour Introductory course and 10-hour Developmentally Appropriate Practice course. The state exam is given in Orlando on a TBD Saturday for a \$30 fee.



### \*FAMILY DYNAMICS

8500345 1/2 CREDIT 9-12

PREREQUISITE: NONE

The purpose of this course is to prepare students to understand the importance of the family and how the family functions and to understand relationships within the family and individuals. The course also includes preparation for marriage, dating, understanding and coping with family crises, and adolescent concerns. A mock wedding is an optional activity to enhance learning.

### \*NUTRITION AND WELLNESS

8500355 1/2 CREDIT 9-12

PREREQUISITE: NONE

The purpose of this course is to prepare students to understand the relationship between nutrition and wellness. The program also provides a variety of lab experiences that include the selection, preparation, service, and storage of foods. It allows students to use technology to practice meal management techniques directed toward nutritional food choices based on the life cycle. This course will provide an awareness of consumer issues relating to health and wellness. Classroom and food laboratory activities are an integral part of this program.

### \*EARLY CHILDHOOD EDUCATION II

8503212



### \*EARLY CHILDHOOD EDUCATION III

8405130



### \*EARLY CHILDHOOD EDUCATION IV

8405140



PREREQUISITE: SUCCESSFUL COMPLETION AT THE PREVIOUS LEVEL AND TEACHER RECOMMENDATION. ECE 2 AND 3 MAY BE TAKEN AT THE SAME TIME

1 CREDIT EACH 10-12

These courses are a continuation of Early Childhood Education 1 with more in-depth study of early childhood curriculum and actual teaching experience in our preschool. Students will develop themes and weekly activities, plan and implement a variety of learning activities as well as observe and assess the growth and development skills of the preschoolers. A Department of Children and Families 10-hour Behavior and Observation certificate may be earned upon successful completion of course work and an optional state test. The state exam is given in Orlando on TBD Saturday for a \$10 fee.

### CULINARY ARTS I

8800510 1 CREDIT 9-12

PREREQUISITE: NONE

The course is designed for the student who enjoys hands on experiences with food and wants to learn about the food services industry. Students are exposed to commercial kitchen equipment and procedures and learn the basics of safety and sanitation, recipe execution, measurement conversions and cost-controls. Sequential Culinary classes expand on skills and knowledge of the food service industry including but not limited to multiple step recipes and participation in catering.

### \*PRINCIPLES OF FOOD PREPARATION

8500390 1/2 CREDIT 9-12

PREREQUISITE: NONE

This course provides a study of food preparation skills and techniques. Students will plan meals and prepare foods for special occasions, foods representing different multi-cultural and ethnic backgrounds as well as developing skills in presentation with catering techniques being emphasized. Specialized activities include demonstrations and labs representing various food categories. Also included is an exploration of food-related careers. Individual interest through projects, guest speakers will be explored.

### \*CHILD DEVELOPMENT

8500310 1/2 CREDIT 9-12

PREREQUISITE: NONE

This course includes the study of children and their development from conception through school age. Units include the study of pregnancy, prenatal care and costs, childbirth methods, birth defects, the newborn, the infant, the toddler, the preschooler, the school-age child, the handicapped child, child abuse, and single parent families. Career opportunities in the child care industry are also included. Emphasis is on the contribution of the family to positive development and nurturing at each stage of development.



# Career Education

## INDUSTRIAL 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.

#### \*CARPENTRY & CABINETMAKING 1

87221100D 1 CREDIT 9-12

PREREQUISITE: NONE

This course is designed to provide instruction in the safety practices and procedures relating to the use, care, and identification of hand tools, portable power tools and woodworking machines, the precautions of working with job related materials, chemicals, and electricity. First aid, emergency procedures, career opportunities, and identification of various types of wood are also included.

#### \*CARPENTRY & CABINETMAKING 2

87221200D 1 CREDIT 10-12

PREREQUISITE: CARPENTRY & CABINETMAKING 1

This course is designed to provide basic knowledge of the construction industry, identify characteristics of construction lumber, and demonstrate employability skills.

#### \*CARPENTRY & CABINETMAKING 3

87221300D 1 CREDIT 11-12

PREREQUISITE: CARPENTRY & CABINETMAKING 2

This course is designed to identify and utilize power tools, demonstrate proper handling and storage of construction materials, demonstrate an understanding of entrepreneurship, basic knowledge of math for carpentry, reading of blueprints, performing site prep and layout activities of a building site, and use of a transit and builders level.

#### \*CARPENTRY 4

87221400D 1 CREDIT 12

PREREQUISITE: CARPENTRY AND CABINETMAKING 3 AND TEACHER ADVISEMENT

This course provides students with an in-depth knowledge of trim and finish carpentry. It trains students to use blueprints and specifications and to install an exterior covering and trim, interior doors, interior-stair systems, interior walls, ceiling coverings, and cabinets and shelving.

## TECHNOLOGY EDUCATION

#### \*DRAFTING & DESIGN TECHNOLOGY 1 (CAD1)

86008100E  
8600810 1 CREDIT 9-12

PREREQUISITE: NONE

This course is designed with emphasis on mechanical drafting. The first three quarters are spent on mechanical drafting with the last quarter being an introduction into architectural drafting. The course includes an introduction to computers and computer-aided design

(CAD) with work and drawings completed on the CAD systems. Emphasis is placed on neatness and accuracy in the drawings. A basic understanding of working with fractions and basic math is essential for the course. **This course satisfies the Fine Arts requirement.**

#### \*DRAFTING & DESIGN TECHNOLOGY 2 (CAD 2)

8600820 1 CREDIT 10-12

PREREQUISITE: DRAFTING & DESIGN TECHNOLOGY 1

This course is designed with emphasis on advanced mechanical drafting. The first three quarters are spent on advanced mechanical drafting and model building. Further instruction into computers and computer-aided design (CAD) is continued with work and drawings completed on the CAD stations. Emphasis is placed on visualization and interpretation of advanced drawings and geometric constructions. With an increase in independent lab work, the student must be mature enough to work independently.

#### \*DRAFTING & DESIGN TECHNOLOGY 3 (CAD 3)

8600830 1 CREDIT 11-12

PREREQUISITE: DRAFTING & DESIGN TECHNOLOGY 2

This course is designed with the emphasis on computer-aided design and architecture. It is designed for students interested in pursuing computer-aided design as a vocation, or architecture or engineering in college. At the end of the year a portfolio is due with all completed drawings and photos for all models and special projects. The student must be mature enough to work in an almost completely independent study lab setting.

#### \*ADVANCED APPLICATIONS IN TECHNOLOGY (CAD 4)

8601900 1 CREDIT 11-12

PREREQUISITE: DRAFTING & DESIGN TECHNOLOGY 3 AND TEACHER ADVISEMENT 

This course is designed with an emphasis on computer-aided design and independent study. It is designed for students interested in doing an advanced project in engineering or architecture. The student must be mature enough to work independently.

#### \*TRANSPORTATION TECHNOLOGY 1


8601210 1 CREDIT 9-12

PREREQUISITE: NONE

This course provides the student with the theory and practical knowledge of basic transportation principles and systems. Students will have instructional hands on practice with basic transportation principles. Shop safety and internal combustion engine theory will be discussed. Students will learn to use small engines, hand tools and power equipment, and shop manuals, while learning auto, preventative maintenance skills and how to read and buy tires. 2x4 race cars will be designed and made by students to test automotive styles and aerodynamics in a wind tunnel. Roll cages are developed and built to teach strengths of geometrical shapes used in race car safety. Students will learn to perform preventative maintenance inspections, oil changes, tire changes, tire mounting, balancing, minor tune-ups, how to buy a car, and some emissions and electrical system testing and repairs. Minor engine repairs are also covered. Students will be responsible for consumable supplies.

# Career Education

## \* TRANSPORTATION TECHNOLOGY 2

8601220 1 CREDIT 10-12 

PREREQUISITE: TRANSPORTATION TECHNOLOGY 1

This course provides the automotive student with practical repair and application procedures on automotive braking systems, suspension and steering systems. Also covered will be electrical systems, fuel systems, emissions systems, battery testing, starting and charging systems, emissions repair, electronic fuel injection basics, and engine repair and maintenance. Automotive industry employability skills are also part of students' studies. Some limited live work is completed as part of hands on modules. Students are responsible for consumable supplies.


## \*TRANSPORTATION TECHNOLOGY 3

8601230 1 CREDIT 11-12 

PREREQUISITE: TRANSPORTATION TECHNOLOGY 2

This course must be taken concurrently after Transportation Technology 1 and 2. This class includes advanced electrical repair and diagnosis, engine performance diagnosis and servicing, driveline diagnosis and repair, use of engine diagnostic equipment, and manual transmission and clutch diagnosis and repair. This class operates the same way a typical repair shop does for student vehicles. Live work is the basis for all hands on work and repairs are coordinated through the instructor. Upon completion of the course, the student is prepared for an entry-level automotive technician job. Students are responsible for consumable supplies.

## \*TRANSPORTATION TECHNOLOGY 4: ADVANCE APPLICATION IN TECHNOLOGY

8601900 1 CREDIT 11-12 

PREREQUISITE: TRANSPORTATION TECHNOLOGY 3

This class is an invitation only by the instructor, independent studying class. Where the student will reflect on knowledge learned in the Transportation Technology 1, 2, and 3. This course is designed for students interested in completing advanced transportation technology projects. This student must be mature enough to be able to work independently.

## TELEVISION PRODUCTION

### \*TV PRODUCTION I 8772110

1 CREDIT 9-12

PREREQUISITE: APPLICATION REQUIRED BEFORE REGISTRATION CARDS ARE TURNED IN

Students will gain a thorough knowledge of the operation of a variety of TV equipment, much of it highly technical and computerized. Students will have the opportunity to perform duties they would encounter in an actual TV studio. Students will gain an awareness of the responsibilities of American broadcasting systems. Students in these groups will be responsible for attending after school activities.

### \* WRAM NEWS (TV PRODUCTION II) 8772120

1 CREDIT 10-12

PREREQUISITE: TV PRODUCTION I AND INSTRUCTOR APPROVAL

This class will produce the daily school newscast. This course requires dedicated, motivated students with technical experience who can work well independently. Students in these groups will be responsible for attending after school activities.

### \*TV PRODUCTION III

8772130

1 CREDIT 10-12

PREREQUISITE: TV PRODUCTION I , AND INSTRUCTOR APPROVAL. GOOD ATTENDANCE AND DISCIPLINE RECORD ARE RECOMMENDED.

Students in these groups will be responsible for attending after school activities.

### \* TV PRODUCTION IV

8772140 1 CREDIT 11-12

PREREQUISITE: TV PRODUCTION III AND INSTRUCTOR APPROVAL. GOOD ATTENDANCE AND DISCIPLINE RECORD ARE RECOMMENDED.

Students in these groups will be responsible for attending after school activities.

## SSC Career & Technical Education Dual Enrollment

THESE PROGRAMS FULFILL CREDIT TOWARDS AN AS DEGREE. SEE SPECIFIC DUAL ENROLLMENT CRITERIA ON PAGE 6.

PROGRAMS AVAILABLE:

### \*CRIMINAL JUSTICE

CCJ 2650	DRUGS, ALCOHOL, & CRIME	11-12
CJC 2000	INTRO TO CORRECTIONS	11-12
CJE 2720	VIOLENCE, STALKING, & TEEN VIOLENCE	12
CJL 2131	CRIMINAL EVIDENCE	12

1 CREDIT EACH

## Academy of Construction Technology

THESE PROGRAMS PREPARE STUDENTS FOR A FULL TIME JOB IN A SPECIFIC FIELD. STUDENTS WILL RECEIVE A 10 HOUR OSHA CARD AND CERTIFICATION IN FIRST AID AND CPR.

### \*CARPENTRY

87221100D	CARPENTRY (APPRENTICESHIP I)	11-12
87221200D	CARPENTRY (APPRENTICESHIP II)	11-12
87221300D	CARPENTRY (APPRENTICESHIP III)	12
87221400D	CARPENTRY (APPRENTICESHIP IV)	12

1 CREDIT EACH

Students will master the use of hand and power tools to frame walls, roofs, and various projects. Students will also learn to hang drywall, install shingles and complete assigned projects. The program is designed as 70% lab work and 30% classroom. Upon successful completion of the 1<sup>st</sup> year, a student will be eligible for a summer job in the construction field.

### \*ELECTRICAL

BCA 0300	BASIC CONSTRUCTION SKILLS A11-12
BCA 0301	BASIC CONSTRUCTION SKILLS B11-12
EER 0404	RESIDENTIAL WIRING 12
EER 0405	RESIDENTIAL WIRING 12

PRE-APPRENTICESHIP PROGRAM WORTH 1 CREDIT EACH

Students will be provided an introduction to the National Electric Code, introduction to power tools, hand tools and electrical components used in industry. Upon completion of 1<sup>st</sup> year, a student will be eligible for a job in the electrical industry.



# Performing/Fine Arts

**ALTERNATE REQUIRED (\*)**  
**All Advanced Placement Courses**  
**Require a Completed Application**

## VISUAL ARTS

### TWO-DIMENSIONAL ART 1

**0101300**                      **1/2 CREDIT**                      **9-12**

PREREQUISITE: NONE

Two-Dimensional Art 1 is an introductory course where students will explore basic drawing and painting skills and techniques. Students will learn the principles and elements of design and will incorporate this knowledge into the creation of drawings and paintings using a variety of media. The course integrates knowledge of art history and broadens personal viewpoints.

### THREE-DIMENSIONAL ART 1

**0101330**                      **1/2 CREDIT**                      **9-12**

PREREQUISITE: NONE

Three-Dimensional Art 1 is an introductory course where students will explore a variety of three dimensional media and techniques. Students will learn the principles and elements of design and will incorporate this knowledge into a number of sculptural forms through modeling, carving, and construction. The course integrates knowledge of art history and broadens personal viewpoints.

### TWO-DIMENSIONAL ART 2

**0101310**                      **1 CREDIT**                      **10-12**

PREREQUISITE: TWO-DIMENSIONAL ART 1 AND INSTRUCTOR APPROVAL. ART/ 3D COMP I IS STRONGLY RECOMMENDED.

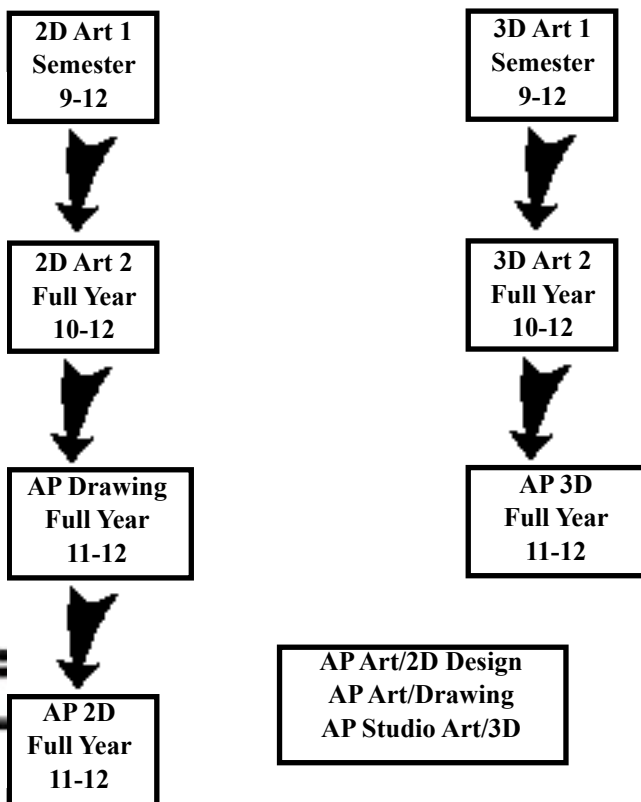
This course is designed for the advanced student who may pursue art in college or as a career. Students will develop a portfolio which demonstrates strong design and technical skills and also reflects an original and creative individual style.

### THREE-DIMENSIONAL ART 2

**0101340**                      **1 CREDIT**                      **10-12**

PREREQUISITE: THREE-DIMENSIONAL ART 1 AND INSTRUCTOR APPROVAL. ART/2D COMP I 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.



**Model Arts**

# Performing/Fine Arts

- \*AP ART/2D DESIGN PORTFOLIO 0109350
- \*AP ART/DRAWING PORTFOLIO 0104300
- \*AP STUDIO ART/3D 0109360 AP

1 CREDIT EACH

11-12

PREREQUISITE: PORTFOLIO, PORTFOLIO REVIEW, AND INSTRUCTOR APPROVAL

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 multi-cultural perspective. **2-D 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, fabric design, illustration, printmaking, painting, photography, etc. **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. Students are responsible for consumable supplies and for taking slides of their work. **Three-Dimensional 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 to 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 metalwork. Students will be required to have a minimum of 30 high quality works for each portfolio and meet the requirements and standards set by the Advanced Placement Guidelines. 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.

- \*CREATIVE PHOTOGRAPHY I 0108310
  - \*CREATIVE PHOTOGRAPHY II 0108320
  - \*CREATIVE PHOTOGRAPHY III 0108330
- 1 CREDIT EACH 10-12

PREREQUISITE: COMPLETION OF PREVIOUS COURSE IN SERIES

The purpose of these courses is to enable students to develop fundamental skills and creative approaches in photography imagery, processes, and techniques. These courses incorporate hands-on activities and consumption of art materials. Access to a darkroom and appropriate photographic equipment is part of the curriculum. 35 mm and Digital Cameras will be used. Students are requested to purchase their own camera.

## DANCE

- \*DANCE TECHNIQUE I 0300310
- \*DANCE TECHNIQUES II 0300320
- \*DANCE TECHNIQUES III 0300330
- \*DANCE TECHNIQUES IV 0300490

1 CREDIT EACH

9-12

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, modern, theater, or tap), 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.



## DRAMA

- \*DRAMA 0400310 1/2 CREDIT 9-12

PREREQUISITE: NONE

This course is an entry level course that will cover every aspect of drama from beginning acting, theater history, awareness of the stage, to technical production. The production of a short one-act play is part of the curriculum. Memorization of dramatic dialogue is required. This course is the prerequisite to any acting course.



# Performing/Fine Arts

## \*IMPROVISATION 0400620

1/2 CREDIT 9-12

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 an improv night.

## \*VOICE & DICTION (IMPROVISATION II) 0400540

1/2 CREDIT 10-12

PREREQUISITE: MUST COMPLETE IMPROVISATION I AND TEACHER APPROVAL.

Taking the skills and foundations established in *Improv I*, students accepted into *Improv II* will continue to hone their craft as improvisers exploring long-form, Harold, and sketch comedy as well as putting on a Night of Improv.

## \*Acting I 0400370

1 CREDIT 10-12

PREREQUISITE: DRAMA OR INSTRUCTOR APPROVAL

## \*ACTING II 0400380

## \*ACTING III 0400390

## \*ACTING IV 0400400

1 CREDIT EACH 11-12

PREREQUISITE: COMPLETION OF PREVIOUS COURSE IN THE SERIES

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.

## \*STAGECRAFT I 0400410

1 CREDIT 9-12

PREREQUISITE: NONE

## \*STAGECRAFT II 0400420

## \*STAGECRAFT III 0400430

## \*STAGECRAFT IV 0400440

1 CREDIT EACH 10-12

PREREQUISITE: COMPLETION OF PREVIOUS COURSE IN THE SERIES

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. Courses should be taken in sequential order.

## MUSIC

## \*BAND I (BEGINNING BAND) 1302300

1 CREDIT 9-12

PREREQUISITE: NONE

This course is offered to students with no previous band experience. The course is designed to provide instruction in the application of musical and technical skills, as well as the development of aesthetic awareness. After school rehearsals and performances are required.

## \*BAND III 1302320

1 CREDIT 9

## \*BAND IV 1302330

1 CREDIT 10

## \*BAND V 1302340

1 CREDIT 11

## \*BAND VI 1302350

1 CREDIT 12

PREREQUISITE: AUDITION, DIRECTOR APPROVAL

MUST HAVE SUCCESSFULLY COMPLETED 8<sup>TH</sup> GRADE BAND AND/OR HAVE DIRECTOR'S SIGNATURE

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.

## \*JAZZ ENSEMBLE I 9 1302500

1 CREDIT

PREREQUISITE: AUDITION, DIRECTOR APPROVAL

## \*JAZZ ENSEMBLE II 10 1302510

## \*JAZZ ENSEMBLE III 11 1302520

## \*JAZZ ENSEMBLE IV 12 1302530

1 CREDIT EACH

PREREQUISITE: 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.



# Performing/Fine Arts

\*CHORUS III (BEGINNING) 9 13033200

\*CHORUS IV 10 1303330

\*CHORUS V 11 1303340

\*CHORUS VI 12 1303350



1 CREDIT

PREREQUISITE: AUDITION (NOT NECESSARY FOR CHORUS II)

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.

\*KEYBOARD I (PIANO)

1301360 1 CREDIT 9-12

PREREQUISITE: NONE.

This course will provide students with introductory experiences on the piano in performance skills and the interpretation of simple notation. The content should include, but not be limited to, the development of music fundamentals, piano performance techniques and interpretation of musical notation.

\*KEYBOARD II (PIANO) 1301370

\*KEYBOARD III (PIANO) 1301380

\*KEYBOARD IV (PIANO) 1301390



1 CREDIT EACH 9-12

PREREQUISITE: TEACHER RECOMMENDATION IF THE STUDENT TOOK PIANO I.

These courses are for the students who wish to refine the skills, musicianship, and techniques required for piano performance.

\*GUITAR I

1301320 1 CREDIT 9-12

PREREQUISITE: NONE.

\*GUITAR II 1301330

1 CREDIT EACH 9-12

PREREQUISITE: TEACHER RECOMMENDATION IF THE STUDENT TOOK GUITAR I.

Students will learn the basics of guitar chord playing and strumming patterns. Basic tablature and notation reading will also be taught. **Students should provide their own guitars and have them in class everyday.** Guitars can be electric, classical, or acoustic. No previous experience is required.

\* ORCHESTRA III 9 1302380

\* ORCHESTRA IV 10 1302390

\* ORCHESTRA V 11 1302400

\* ORCHESTRA VI 12 1302410

1 CREDIT EACH

PREREQUISITE: TEACHER RECOMMENDATION.

The purpose of this course is to enable students to develop basic technical skills on string or other orchestral instruments through the refinement and performance of high school orchestra literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance, and critical listening.



# Physical Education & Health

**ALTERNATE REQUIRED (\*)  
Meets Physical Education  
Requirement**

**PERSONAL FITNESS** 1501300  
**PREREQUISITE:** NONE  
**1/2 CREDIT** 9-12

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.**

**\*BASKETBALL** 1503310  
**PREREQUISITE:** NONE  
**1/2 CREDIT** 9-12

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.

**\*CARE & PREVENTION OF ATHLETIC INJURIES** 1502490  
**PREREQUISITE:** NONE  
**1/2 CREDIT** 9-12

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.

**\*TEAM SPORTS I** 1503350  
**PREREQUISITE:** NONE

**\*TEAM SPORTS II** 1503360  
**PREREQUISITE:** TEAM SPORTS I  
**1/2 CREDIT** 9-12

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.

**TENNIS 1** 1504500  
**PREREQUISITE:** NONE

**TENNIS 2** 1504510  
**PREREQUISITE:** TENNIS 1

**TENNIS 3** 1504520 ✓  
**PREREQUISITE:** TENNIS 2  
**1/2 CREDIT EACH** 9-12

Tennis will provide students with the opportunity to acquire the skills of tennis as well as rules, etiquette, and terms for successful participation in the sport while maintaining and/or improving their personal fitness.

**VOLLEYBALL 1** 1505500  
**PREREQUISITE:** NONE

**VOLLEYBALL 2** 1505510  
**PREREQUISITE:** VOLLEYBALL 1

**VOLLEYBALL 3** 1505520  
**PREREQUISITE:** VOLLEYBALL 2  
**1/2 CREDIT EACH** 9-12

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.



**WEIGHTS 1** 1501340  
**PREREQUISITE:** NONE

**WEIGHTS 2** 1501350  
**PREREQUISITE:** WEIGHTS 1

**WEIGHTS 3** 1501360 ✓  
**PREREQUISITE:** WEIGHTS 2  
**1/2 CREDIT EACH** 9-12

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.



# Navy Junior ROTC

\*ANY STUDENT COMPLETING 3 YEARS (NAVAL SCIENCE 1, NAVAL SCIENCE 2, AND NAVAL SCIENCE 3) MAY SUBSTITUTE ONE JROTC CREDIT FOR PHYSICAL SCIENCE TO SATISFY ONE OF THE THREE SCIENCE CREDITS FOR GRADUATION. ANY STUDENT EARNING A C OR BETTER IN 2 CREDITS OF NAVAL SCIENCE WILL SATISFY 1/2 CREDIT PE ELECTIVE AND 1 CREDIT PERFORMING ARTS.

## \*NAVAL SCIENCE 1 1802300

PREREQUISITE: NONE

1 CREDIT 9-12

For all students who have not previously taken JROTC 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

PREREQUISITE: ONE YEAR OF JROTC AND INSTRUCTOR APPROVAL

1 CREDIT 10-12

For all 10th-12th graders who had one or two years of JROTC 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

PREREQUISITE: TWO YEARS OF JROTC AND INSTRUCTOR APPROVAL

1 CREDIT 11-12

For all 11th and 12th graders who have successfully completed two years of JROTC. 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

PREREQUISITE: THREE YEARS OF JROTC AND INSTRUCTOR APPROVAL

1 CREDIT 12

For all 12th graders who have successfully completed at least three years of JROTC. 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.**



# LMHS Course Listing

Academy of Construction Tech .....	37	Draft & Design Tech 1-2.....	36	User Interface Design.....	34
Acting 1-4 .....	41	Draft & Design Tech 3-4 .....	36	Voice & Diction (Improv II).....	41
Adv Alg. w/ Financial Apps .....	22	Drama .....	40	Volleyball 1, 2, 3.....	43
Advanced Reading.....	20	Early Childhood Ed 1-4 .....	35	Voluntary Public Service.....	10
Algebra CPM Block .....	21	Environmental Science.....	24	Web Design 3-5 .....	34
Algebra 1 .....	21	Economics .....	27	Work Program (CDE/DCT/OJT) ..	34
Algebra 2 .....	22	Electrical Academy SSC .....	37	World History .....	27
American Government.....	28	English 1-4 .....	18	World Literature Honors .....	19
Am. Sign Lang 1, 2, 3, 4 .....	31	English Thru ESOL 1-4.....	20	WRAM News (TV Prod. 2).....	37
Analysis of Functions.....	23	ESE—Except Ed .....	17	Weights 1,2,3 .....	43
Anatomy & Physiology .....	25	Essence Magazine .....	19	Yearbook .....	20
AP Am. Govt .....	28	Experimental Science.....	26	Zoology.....	25
AP Am. History .....	27	Family Dynamics.....	35		
AP Art/2D Design Port.....	40	Film Lit .....	19		
AP Art/Draw Port.....	40	Forensic Science 1, 2.....	25		
AP Art History .....	28	Foundations of Web Design.....	34		
AP Biology .....	24	Geometry .....	22		
AP Calculus AB, BC .....	23	Geometry CPM Block.....	22		
AP Chemistry.....	26	German 1-3.....	30		
AP Comp Science A.....	38	Great Books .....	19		
AP Eng Lang & Comp .....	18	Guitar 1,2.....	42		
AP Eng Lit & Comp .....	18	Humanities 1, 2.....	28		
AP Environmental Science .....	26	Improvisation .....	41		
AP German .....	30	Intensive Reading (FCAT Prep).....	20		
AP Human Geography .....	29	Intensive Math (FCAT Prep).....	21		
AP Macroeconomics.....	27	Jazz Ensemble 1-4.....	41		
AP Psychology .....	28	Journalism 1, 3, 4, 5, 6 .....	20		
AP Physics B, C .....	26	Leadership Skills.....	32		
AP Spanish Lang .....	30	Mathematics for College.....	23		
AP Spanish Literature.....	30	Marine Science.....	25		
AP Statistics .....	23	Marionettes .....	32		
AP Studio Art/3D .....	40	Multicultural Literature I, II.....	19		
AP World History .....	27	Newspaper .....	20		
Astronomy H .....	26	Nutrition & Wellness .....	35		
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Basketball.....	43	Peer Connectors.....	32		
Biology.....	24	Peer Counseling.....	32		
CDE .....	34	Personal Fitness.....	43		
Calculus H .....	23	Physical Science.....	24		
Care & Prev of Ath Inj.....	43	Physics .....	25		
Carpentry 1-4.....	36	Piano 1-4.....	42		
Carpentry Academy SSC.....	37	Pre-Calculus.....	23		
Cheerleading.....	32	Prin of Food Prep .....	35		
Chemistry.....	24	RAM Publishing .....	33		
Child Dev .....	35	Reading.....	20		
Chorus 3-6.....	42	ROTC 1-4 .....	42		
Color Guard .....	32	Sociology.....	28		
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Creative Writing 1,2,3,4,5 .....	19	Team Sports 1, 2.....	43		
Criminal Justice Academy SSC.....	37	Tennis 1, 2, 3 .....	43		
Culinary Arts 1 .....	35	Theater History & Lit.....	19		
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DCT 1-3.....	34	Two-Dimensional Art 1, 2.....	39		
Debate 1-4 .....	19	Three-Dimensional Art 1, 2 .....	39		
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