

2020
2021

LAKE HOWELL
HIGH SCHOOL

CURRICULUM GUIDE



LAKE HOWELL HIGH SCHOOL

4200 Dike Road • Winter Park, Florida 32792

www.lakehowell.scps.k12.fl.us



MISSION STATEMENT

Lake Howell High School is committed to developing students to their fullest intellectual and social potential in an atmosphere of mutual trust, respect, and collaboration. We provide students with excellent academic and vocational programs using a flexible and relevant curriculum, challenging them to produce their best work and accommodating for individual differences and learning styles. We encourage cooperation among the family, the school, and the community as the best means to ensure that our students assume the personal responsibilities needed for them to reach their greatest potential and become responsible citizens and active, life-long learners in the work force and the global community.

TABLE OF CONTENTS

Welcome Silverhawks	Page 1
Registration Process	Page 2
Diploma Options	Page 4
General Information	Page 7
Florida Bright Futures Scholarship Program	Page 8
Associate Degree in Business (AA) Program	Page 9
Advanced Placement (AP) Program	Page 11
English Language Arts	Page 14
Mathematics	Page 16
Science	Page 19
Social Studies	Page 23
Career & Technical Education	Page 26
Performing & Fine Arts	Page 31
World Languages	Page 35
Dual Enrollment	Page 36
Exceptional Student Education	Page 37
NJROTC	Page 38
Physical Education	Page 39
Service Curriculum	Page 41
ePathways Magnet Schools/Programs	Page 42
Index of Course Codes	Page 51

WELCOME SILVERHAWKS

Dear Students and Parents:

Please take the time to review Lake Howell High School's Curriculum Guide. Elective course selection is available to students based on FSA levels and EOC levels from the previous year. Students who are struggling with the state required graduation tests (FSA reading and writing and state EOC tests) will be placed in the appropriate course designed for academic improvement. Ninth grade courses and grades are very important and should be selected to provide the foundation for future advanced courses. Students can visit <https://www.floridashines.org/> to plan high school coursework that best prepares them for college or their future career. Remember that college entrance requirements are more challenging than high school graduation requirements. Review the Bright Futures Scholarship program and develop a strategy to qualify by the end of senior year. All courses taken for high school credit and dual enrollment credits are listed on school transcripts. **Please take care in selecting your courses because course change availability will be very limited.**



21st Century Choices for all 21st Century Students: Lake Howell High School recognizes that today's students learn in different ways, at different rates, and on different schedules. Our school offers the flexibility to accommodate today's students and families through a variety of choice programs that include virtual options for full-time and part-time virtual coursework for students in all grades. These programs offer a wide-range of acceleration opportunities, including credit recovery, 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.

In utilizing the available resources at LHHS, don't hesitate to seek assistance from teachers, counselors, and administrators. We are available through email and voicemail. Plan carefully so your 2021-2022 school year is a successful one.

Sincerely,
Michael D. Howard
Principal



SCHOOL ADMINISTRATION

Principal: Michael Howard

Front Office	Principal's Secretary	407-746-9050
Maryanne Darlin		407-746-9001
Matt Ackley	Assistant Principal	407-746-9008
Linion Grace	School Administration Manager	407-746-9007
Mia Keyser	Assistant Principal	407-746-9003
Vicky Lampe	Assistant Principal	407-746-9079
Arika Sutton	School Administration Manager	407-746-9106
Jesse Rose	Assistant Principal	407-746-9004
Tonya Thompson	Assistant Principal	407-746-9002

REGISTRATION PROCESS

As students, you should register carefully, selecting courses that you may eventually need along with those that particularly interest you.

At the beginning of the spring term, you will be asked to review which courses you would like to consider for the 2021-2022 school year. This information is needed to permit the administration, counselors, and teachers to plan next year's school program. You will meet with your counselor to complete a registration form indicating your course choices for the upcoming year. Summer school and Virtual School options can also be discussed.

Please remember that you will be taking a total of seven credits during the 2021-2022 school year. This means you will list **seven** full credit classes and alternates or a combination of classes which totals seven credits. Please take special care in listing all courses and alternates requested, for ***your decisions will be binding***. Input from your parents, teachers and counselors should be considered in preparing your registration card.

Instructions for Completing the Registration Form:

1. Complete the information at the top of the registration card.
 2. Select your **required** course selections and have your teacher sign off on them.
 3. List the electives you have selected in the order of priority. (1 for first choice, 2 for second choice, etc.)
 4. Student signature and parent signature are **required**.
- Bring your registration card during your scheduled time in the media center.
 - Make all selections carefully as they will be binding.
 - A letter of override request from the parent must accompany any course not approved for the student by the teacher or during the consultation process.

Schedule change policy:

Your schedule for next year will be available for pick up, or Skyward viewing, during pre-school processing.

It is the student's responsibility to follow the procedures established to review their schedule and request corrections for any errors.

Notice to Students and Parents:

In an effort to provide educational enhancements to students, beyond the curriculum routinely offered, donations in certain courses historically have been collected in Seminole County Public Schools on a voluntary contribution basis. Every encouragement is given to students and parents at Lake Howell High School in continuing the practice of course embellishment that these fees make possible.

While such assistance is a particular requirement to maintain current practices, no student shall be denied opportunity 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, Chorus, and Dance classes will require additional time commitments such as summer and winter camps, after school practices and weekend activities. Competitions are considered extracurricular activities in which fees may be required for items such as uniforms, dry cleaning and clinics.

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

ADDITIONAL CREDIT AVENUES



Students may earn additional credit toward graduation through any of the following programs for which they are eligible.

- Seminole County Virtual School** and/or **Florida Virtual High School**
Notice: For the 2021-22 school year, SCPS will provide full-time virtual instruction options to students in grades K-12. Enrollment will be open from Monday, April 5, 2021 to Tuesday, July 20, 2021. For more information, please see your school guidance counselor or visit <http://virtualschool.scps.k12.fl.us/>
- Students may be awarded high school elective credit in the **middle school** for the following courses:
 - Algebra 1 Standard, (A or B), Algebra 1 Honors and Geometry Honors. The student must successfully complete and demonstrate mastery of the performance standards. (**Elective credit will be awarded for math classes completed in middle school.**)
 - Foreign language. The student must successfully complete the course and demonstrate mastery of the performance standard.
- Credit by Examination**
- Dual Enrollment** - *courses must be creditable to high school graduation. Students should see their Counselor for Dual Enrollment Course recommendations and approval. The Principal reserves the right to final approval of all Dual Enrollment Courses.*

TECHNOLOGY USE IN LEARNING, MOTIVATION AND RECOGNITION

Seminole County Public Schools believe technology is a valuable educational tool. All classroom teachers use technology as an instructional tool. Some examples of such activities are:

- Use of the Internet to access encyclopedias, magazines, the district's media library catalog, web sites for educational projects, on-line district and state classes and to conduct research in preparation for a project or presentation.
- Students are photographed or videotaped for the purposes of daily school news broadcasts and yearbooks. Photographs or videos of students are also placed on school/district web pages as a form of recognition for special achievements, activities, projects and as a motivation to be creative.
- Student works are published on the Web (Internet) to share stories, poems, and other creative works with other students and the school community and to provide motivation for writing.

If you wish to have your student excluded from any of the preceding activities, exclusion (opt-out) forms are available on the district website and at your student's school.

GRADE FORGIVENESS

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

Note: High school courses taken in the middle school, according to the Pupil Progression Plan, are exempt from the Grade Forgiveness rule.

GRADE CLASSIFICATION BY CREDIT

Class of 2021 and Beyond

Senior:	19
Junior:	12
Sophomore:	6
Freshman:	Promotion from 8 th grade

GRADING SCALE

The grading scale for all Seminole County Public High Schools will be as follows:

Letter Grade	Percentage Range	Quality Points
A	90 – 100	4
B	80 – 89	3
C	70 – 79	2
D	60 – 69	1
F	59 & below	0

WEIGHTED COURSES

Advanced Placement courses shall be weighted as follows:

Letter Grade	Quality Points
A	5
B	4
C	3
D	1
F	0

Honors courses shall be weighted as follows:

Letter Grade	Quality Points
A	4.5
B	3.5
C	2.5
D	1
F	0

STANDARD DIPLOMA

High School Graduation Options (Students Entering 9th Grade in 2014-2015 and After)

26 credit standard diploma option available to all students, including students with disabilities	26 credit standard diploma option available only to students with disabilities: No access courses permitted	26 credit standard diploma available only to students with disabilities, who take access courses and the alternate assessment . *
4 Credits English Language Arts (ELA)		
<ul style="list-style-type: none"> • ELA I, II, III, IV • ELA honors, Advanced Placement (AP), Advanced International Certificate of Education (AICE), International Baccalaureate (IB) and dual enrollment courses may satisfy this requirement. 	<ul style="list-style-type: none"> • Must earn credits for all of the courses listed in the first column • May substitute a CTE course with content related to English for English IV after a student study team review 	<ul style="list-style-type: none"> • Must earn credits for all of the courses listed in the first column • May substitute access courses for general education courses • May substitute a CTE course with content related to English for English IV after a student study team review
4 Credits Mathematics		
<ul style="list-style-type: none"> • One of which must be Algebra I and one of which must be Geometry • Industry certifications that lead to college credit may substitute for up to two mathematics credits (except for Algebra I and Geometry) • Approved Computer Science courses can substitute for a math credit (except for Algebra I and Geometry) 	<ul style="list-style-type: none"> • Must earn credits for all of the courses listed in the first column • May substitute a CTE course with content related to mathematics for one mathematics credit after a student study team review (except for EOC courses: Algebra I and Geometry) • Approved Computer Science courses can substitute for a math credit (except for Algebra I and Geometry) 	<ul style="list-style-type: none"> • Must earn credits for all of the courses listed in the first column • May substitute access courses for general education courses • May substitute a CTE course with content related to mathematics for one mathematics credit after a student study team review (except for EOC courses: Algebra I and Geometry) • Approved Computer Science courses can substitute for a math credit (except for Algebra I and Geometry) after a student study team review.
4 Credits Science		
<ul style="list-style-type: none"> • One of which must be Biology I, two of which must be equally rigorous science courses • Two of the three required credits must have a laboratory component • An Industry certification that leads to college credit substitutes for up to one science credit (except for Biology I) • Approved Computer Science courses can substitute for a science credit (except for Biology I) 	<ul style="list-style-type: none"> • Must earn credits for all of the courses listed in the first column • May substitute a CTE course with content related to science for one science credit after a student study team review (except for EOC course: Biology I) • Approved Computer Science courses can substitute for a science credit (except for Biology I) after a student study team review. 	<ul style="list-style-type: none"> • Must earn credits for all of the courses listed in the first column • May substitute access courses for general education courses • May substitute a CTE course with content related to science for one science credit after a student study team review (except for EOC course: Biology I) • Approved Computer Science courses can substitute for a science credit (except for Biology I) after a student study team review.
3 Credits Social Studies		
<ul style="list-style-type: none"> • 1 credit World History • 1 credit in U.S. History • .5 credit in U.S. Government • .5 credit in Economics 	<ul style="list-style-type: none"> • Must earn credits for all of the courses listed in the first column • May substitute a CTE course with content related to social studies for one social studies course after a student study team review (except for EOC course: U.S. History) 	<ul style="list-style-type: none"> • Must earn credits for all of the courses listed in the first column • May substitute access courses for general education courses • May substitute a CTE course with content related to social studies for one social studies course after a student study team review (except for EOC Course: U.S. History)
1 Credit Fine and Performing Arts, Speech and Debate, or Practical Arts**		
9 Elective Credits		
<ul style="list-style-type: none"> • Online Course (IEP Team may waive if appropriate) • Student may also earn a nationally-recognized industry certification in information technology. 	<ul style="list-style-type: none"> • Must include .5 credit in an employment based course (OJT is a possibility) • May include ESE courses • Online Course (IEP Team may waive if appropriate) 	<ul style="list-style-type: none"> • May include employment based course/s • Online Course (IEP Team may waive if appropriate)
1 Credit Physical Education to include Personal Fitness		
Students must earn a 2.0 grade point average on a 4.0 scale and pass statewide assessments (FSA ELA 10th grade and Algebra 1 EOC) unless a waiver of assessment results is granted by the IEP team.		

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

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

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

SEMINOLE COUNTY PUBLIC SCHOOL'S DIPLOMA PATHWAYS

Class of 2022-2025

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

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

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

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

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

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

STANDARD DIPLOMA PATHWAY	CR	REQUIREMENTS (must include (1) online course)
		<p>English Credits (English 1 – English 4) or equivalent accelerated course(s)-4 credits</p> <p>Math Credits Grades (9-12) (must include Algebra 1 & Geometry)-4 credits</p> <p>Science Credits (must include Biology I, (3) courses must contain a lab component, and 2 Equally Rigorously Courses)-4 credits</p> <p>Social Studies (must include World History, US History, 0.5 US Government & 0.5 Economics with Financial Literacy)-3 credits</p> <p>Fine or Performing Arts, Speech & Debate or Practical Art-1 credit</p> <p>½ Personal Fitness and ½ PE Elective-1 credit</p> <p>Elective Credits-9 credits</p>
TESTING REQUIREMENTS		<p>Passing Score on: Grade 10 ELA FSA & Algebra 1 EOC or concordant/comparison score EOC's in Algebra 1*, Geometry, Biology I & US History will count as 30% of the students overall grade</p> <p>**A passing industry certification may take the place of a science or math credit.**</p> <p>Industry certifications that lead to college credit may substitute for up to two mathematics credits (except for Algebra I and Geometry).</p> <p>An industry certification that leads to college credit substitutes for up to one science credit (except for Biology I).</p> <p>**An approved Computer Science course may take the place of a math or science credit.**</p>
SCHOLARS DIPLOMA PATHWAY		REQUIREMENTS OF A STANDARD DIPLOMA PLUS:
		<p>*Earn (1) credit in Statistics or equally rigorous mathematics course</p> <p>* Earn (1) credit in Algebra II or equally rigorous mathematics course</p> <p>*Earn (1) credit in Chemistry or Physics</p> <p>*Earn (1) credit in science course equally rigorous to Chemistry or Physics</p> <p>*Earn (2) credits in the same foreign language course</p> <p>*Earn (1) credit in Advanced Placement, International Baccalaureate, an Advanced International Certificate of Education, Dual Enrollment Course</p>
TESING REQUIREMENTS		Passing Score on Grade 10 ELA, Algebra 1 EOC, Geometry EOC, Biology I EOC, and US History EOC
MERIT DIPLOMA PATHWAY		REQUIREMENTS OF STANDARD DIPLOMA PLUS:
		<p>REQUIREMENTS OF STANDARD DIPLOMA PLUS:</p> <p>*Attain one or more Industry Certifications from the list established under S. 1003.492 F. S</p> <p>***Industry Certification Courses which lead to college credit may be substituted for up to two math credits and/or one science credit excluding Algebra 1, Geometry and Biology***</p>
TEST REQUIREMENTS		SAME AS THE STANDARD DIPLOMA
SCHOLARS WITH DISTINCTION DIPLOMA PATHWAY		REQUIREMENTS OF A SCHOLARS DESIGNATION PATHWAY PLUS:
		<p>* Cumulative Weighted Grade Point Average of 3.75 or higher</p> <p>* (3) Consecutive years in the same World Language</p> <p>* (6) credits in AP or IB classes earning a grade of A or B or (4)AP or IB and (2) Dual Enrollment Credits</p> <p>* (1) credit in Experimental Research or equivalent with a grade of A or B or (1) Extended Essay, Senior Portfolio or 4th year of World Language or (1) extra AP, IB or Dual Enrollment Credit.</p>
TEST REQUIREMENTS		SAME AS THE SCHOLARS DESIGNATION PATHWAY
BILITERACY DIPLOMA		REQUIREMENTS OF STANDARD DIPLOMA PLUS:
		<p>*Earn four world language course credits in the same world language</p> <p>*Earn a cumulative grade point average of 3.0 or higher on a 4.0 scale</p> <p>*Earn a qualifying score on a world language assessment</p>
TEST REQUIREMENTS		<p>SAME AS THE STANDARD DIPLOMA PLUS</p> <p>Qualifying score on a world language assessment</p>
ADVANCED PLACEMENT CAPSTONE DIPLOMA		REQUIREMENTS OF STANDARD DIPLOMA PLUS:
		<p>*Satisfactory completion of the AP Seminar course as determined by College Board</p> <p>*Satisfactory completion of the AP Research course as determined by College Board</p> <p>*Satisfactory completion of four AP courses as determined by College Board</p>
TEST REQUIREMENTS		<p>SAME AS THE STANDARD DIPLOMA PLUS</p> <p>Satisfactory completion of AP courses as determined by the College Board</p>

GENERAL INFORMATION

STUDENT SERVICES

The best method to contact your designated counselor is through email.

Need a Parent/Teacher Conference? Contact Mrs. Palamar at 407-746-9082.

Students are encouraged to attend Parent/Teacher Conferences.

Counselor	Student Last name	Phone Number	Email
Melissa Kimball	A-DE & AA Program Students	407-746-9062	Melissa_Kimball@scps.k12.fl.us
Carolyn Ellis	DI – FE & all ESE students	407-746-9066	Carolyn_Ellis@scps.k12.fl.us
Haleigh Cain	FI – MCF	407-746-9197	Hitzinhz@scps.k12.fl.us
Lisandra Francis	MCG – RAD & ELL students	407-746-9066	Martinlz@scps.k12.fl.us
Meghann Bratton	RAI – Z	407-746-9064	Meghann_Bratton@scps.k12.fl.us
Brindle Palamar	Student Services Secretary & Records Request	407-746-9082	Brindle_Palamar@scps.k12.fl.us
Charmaine Krise	ESE Records	407-746-9094	Charmaine_Krise@scps.k12.fl.us

Need a Counselor during the summer? Call the main desk at 407-746-9050 to be connected to the counselor on duty or email your assigned counselor.

POST SECONDARY INFORMATION

FINANCIAL AID AND SCHOLARSHIPS

1. **Financial Aid Forms.** The Free Application for Federal Student Aid (FAFSA) is available online beginning Oct. 1 of a student's senior year. The FAFSA can be found at www.fafsa.edu.gov and must be completed in order to receive financial aid from a post-secondary institution. The Florida State Grants & Scholarships application becomes available Dec. 1st of a student's senior year and can be found at www.floridastudentfinancialaid.org. This application includes the Bright Futures Scholarship, the Florida Student Assistance Grant, as well as other financial aid programs offered through the State of Florida. See your school counselor for any further explanation.
2. **College Work Study.** Programs provide part-time employment while attending college and are based on financial need.
3. **Grants.** Grants are gift awards made on the basis of financial need. Presently the Educational Opportunity Grant is widely used. A FAFSA is required to be considered for grants.
4. **Scholarships.** These are gift awards and are presented on the basis of special ability. Financial need is usually considered and offered by fraternal, social and civic organizations.
5. **PSAT/National Merit Examination.** These examinations are given during the fall of a student's junior year to determine national finalists. Students take the exam their 10th grade year for practice.
6. **Academic Awards.** Most colleges and universities offer academic scholarships to students who are high in academic standing or show academic promise.
7. **Loans.** Loans are available from private banks, the Federal government or the universities themselves.

FLORIDA'S BRIGHT FUTURES SCHOLARSHIP PROGRAM

Eligibility requirements for High School Applicants **Graduating 2021-2022** and beyond.

Initial eligibility requirements must be met prior to graduation from a Florida public high school or a registered FDOE private high school. Students and parents can check student ongoing eligibility through **www.FloridaShines.org**. Students must apply by submitting a Florida Financial Aid Application at www.FloridaStudentFinancialAid.org during their last year in high school, prior to their high school graduation.

Florida Academic Scholars Award (FAS)	Florida Medallion Scholars Award (FMS)	Florida Gold Seal Vocational (GSV) or CAPE Scholars Award (GSC)
3.5 weighted academic GPA (16 credits)	3.0 weighted academic GPA (16 credits)	3.0 weighted GPA for graduation requirements. (GSV) 3.5 GPA in 3 full credit vocational courses. (GSV) Earn at least 5 postsecondary credit hours through CAPE industry certifications that articulate for college credit (GSC)
100 hours of approved Community Service	75 hours of approved Community Service	30 hours of approved Community Service
SAT Score – 1330 ACT Score – 29 Note: the new writing sections for both the SAT and ACT will not be used in the composite. SAT Subject Tests are not used for Bright Futures eligibility. ACT scores are rounded up for scores of .5 and higher.	SAT Score – 1210 ACT Score – 25 Note: the new writing sections for both the SAT and ACT will not be used in the composite. SAT Subject Tests are not used for Bright Futures eligibility. ACT scores are rounded up for scores of .5 and higher	SAT Score: Reading 24 Math 24 Writing Language 25 ACT Score: English 17 Reading 19 Math 19 PERT Score: Reading 106 Writing 103 Math 114
<p>All information contained within is subject to possible revision. Visit www.floridastudentfinancialaid.org *Awards subject to change with each legislative session.</p>		



Program #: 8812100

Description:

In conjunction with Seminole State College, Lake Howell's Associate Program in Business will culminate in both a high school diploma and an Associate in Arts degree in Business after four years. Incoming AAB 9th graders will begin their high school career just like any other incoming 9th grader. However, by the end of the first semester, students will need to have earned a College-Ready score on the PERT exam and a minimum of a 3.0 unweighted GPA in order to continue. This collegiate journey begins second semester with Speech and Office Applications taught by qualified, established Lake Howell instructors. In addition, AAB students have access to counselors that understand their needs and ambitions and will help them make informed decisions along the way. So, let's open our minds to new possibilities and let the journey begin...

Benefits:

- Completed 2-year degree in Business from Seminole State College
- Savings of approximately \$6500.00 (based on 60 credit hours not including textbooks, materials and other scheduled fees)
- Direct Connect to UCF or continuation at SSC for Business Bachelor's degree

Courses: Grades 9 – 12

See following page for coursework.



ASSOCIATE IN ARTS: BUSINESS

FOUR YEAR PLAN*

9 th Grade—Semester 1		
	HS	AA
Honors English 9	0.5	
Math (Hon Alg 1*, Hon Geo, Hon Alg 2)	0.5	
Honors Biology	0.5	
World Language 1	0.5	
Personal Fitness	0.5	
Elective (Student Choice)	0.5	
Intro to Business/Entrepreneurship	0.5	
TOTAL:	3.5	
*In order to earn a scholars diploma students must take Algebra 2 prior to graduation		
9 th Grade—Semester 2		
Honors English 9	0.5	
Math (Hon Alg 1*, Hon Geo, Hon Alg 2)	0.5	
Honors Biology	0.5	
World Language 1	0.5	
Physical Education	0.5	
Intro to Business (GEB 1011)	0.5	3.0
Office Applications (CGS 2100C)	0.5	3.0
TOTAL:	3.5	6.0

10 th Grade—Semester 1		
	HS	AA
Honors English 10	0.5	
Math (Hon Geo, Hon Alg 2, Precalculus)	0.5	
Honors/AP World History	0.5	
World Language 2	0.5	
Honors Chemistry	0.5	
Intro to Management (MAN 2021)	0.5	3.0
Environmental Science (EVR 1001—lecture only)	0.5	3.0
TOTAL:	3.5	6.0
10 th Grade—Semester 2		
Honors English 10	0.5	
Math (Hon Geo, Hon Alg 2, Precalculus)	0.5	
Honors/AP World History	0.5	
World Language 2	0.5	
Honors Chemistry	0.5	
U.S. Federal Government (POS 2041)	0.5	3.0
Intro to Oral Comm (SPC 1608)	0.5	3.0
TOTAL:	3.5	6.0

11 th Grade—Semester 1		
	HS	AA
English Comp 1 (ENC 1101)	1.0	3.0
College Algebra (MAC 1105)	1.0	3.0
Macroeconomics (ECO 2013)	0.5	3.0
Junior Capstone	0.5	
AP US History (4 or 5 for 3 SSC history credits)	0.5	
Experiencing the Humanities (HUM 2020)		3.0
TOTAL:	4.0	12.0
11 th Grade—Semester 2		
English Comp 2 (ENC 1102)	1.0	3.0
Chemistry—lecture only (CHM 1020)	0.5	3.0
Microeconomics (ECO 2023)	0.5	3.0
Humanities Area B (Student Choice)	0.5	3.0
AP US History (Score of 4/5 = 3 SSC history credits)*	0.5	
Junior Capstone	0.5	
TOTAL:	3.5	12.0

12 th Grade—Semester 1		
	HS	AA
Concepts of Calculus (MAC 2233)	1.0	3.0
Financial Acct (ACG 2021)	0.5	3.0
DE History (waived if 4/5 earned in AP US History)*	0.5	3.0
Senior Capstone	0.5	
Science (Student Choice)	0.5	
TOTAL:	3.0	9.0
12 th Grade—Semester 2		
Managerial Accounting (ACG 2071)	0.5	3.0
Statistics (STA 2023)	0.5	3.0
**MS Excel (OST 2852C)	0.5	3.0
Senior Capstone	0.5	
Science (Student Choice)	0.5	
TOTAL:	2.5	9.0*

We highly recommend students take **MS Excel (OST 2852C) in the summer of their 10th grade year at the SSC campus.

We highly recommend students take a **Humanities Area B course (Student Choice) in the summer of their 11th grade year at the SSC campus.

*This is an example 4-year plan. A school counselor can provide alternative options based on student interests. Students must earn a college-ready score on the PERT test and a 3.0 unweighted GPA in order to take dual enrollment. Credit equivalencies, course offerings and sequence subject to change.

Updated December 2020

ADVANCED PLACEMENT COURSE EXPECTATIONS

College Board Advanced Placement (AP) courses provide college-level studies for high school students who are ready to do college-level work. These courses will post to the college transcript. AP courses are taught using college level materials and strategies that will prepare students to take College Board AP Examinations.

Students who choose to participate in an AP course should understand that:

- AP courses are year-long courses (with the exception of Government and Economics).
- All AP courses are taught at a college level by an experienced, certified instructor who adheres to the curriculum standards established by the College Board.
- AP courses challenge and enrich motivated college-bound students to expand their education beyond the typical secondary program.
- Teachers will work individually to provide tutoring and/or other supports and resources to students struggling with the content.
- The AP exam at the end of the course is an expectation for all AP students. These dates are set by the College Board and can be found at www.collegeboard.org.
- Practice exam opportunities and resources will be provided to help them feel more confident about sitting for the AP exam.
- The AP exam score allows students the opportunity to earn college credit and/or waivers for lower division course work as determined by the college of attendance.

STUDENT EXPECTATIONS

- Budget time effectively and efficiently to successfully complete the AP course(s),
- Complete assignments, reading and projects outside of class time as assigned,
- Notify teachers immediately when falling behind in class reading and/or assignment and seek additional help, tutoring, guidance, etc.,
- Think critically, learn, analyze, synthesize and manipulate knowledge and skills,
- Accept constructive feedback from peers and course instructors,
- Develop effective study skills,
- Develop advanced content area vocabulary,
- Utilize community and industry resources,
- Develop multi-media and oral presentation skills,
- Complete the year-long curriculum and maintain a passing grade in all AP courses taken, and
- Take the AP exam for each course on its scheduled date and time as outlined by College Board.

PARENT/GUARDIAN EXPECTATIONS

- Be familiar with and accept the AP course requirements and policies, and
- Help his/her child organize study time in support of class assignments.

HONOR CODE

This class will be conducted under an honor code; all students are expected to do their own work. Students also are expected to comply with the conditions and AP Course Expectations.

ADVANCED PLACEMENT EXAMS

College Board AP examinations are nationally standardized and passing scores are awarded college credit by colleges and universities. All students are **required** to take the AP exam(s) in May, which is typically at the end of the course and the first two weeks in May.

ADVANCED PLACEMENT (AP) PROGRAM

The Advanced Placement Program at Lake Howell High School

Our policy at Lake Howell is to encourage the highest level of rigor at which a student can succeed. Each subject area has its own sequence of courses, but a student does not have to accelerate in every subject area. It is suggested students attempt the courses which line up with their academic areas of strength. Students are advised to collaborate with the teachers and student services counselor in making course selection decisions to promote balance and success in the program.

Most Rigorous Course of Study in Advanced Placement

Each course sequence below is an example of the highest level of academic rigor a student can achieve through strictly Advanced Placement courses within a curriculum area. All AP courses in core area will meet graduation requirements unless otherwise noted.

Sequence for Students Strong in Language Arts

This student's strength is in reading and writing. The student's PSAT score should be a 44 or higher in Critical Reading and Writing. FSA scores should be a minimum of a level 3. Below are two traditional examples:

Sample Track 1

9 th Grade	English 1 Honors (grade of A or B)
10 th Grade	English 2 Honors (grade of A or B)
11 th Grade	AP English Language & Composition (grade of A or B)
12 th Grade	AP English Literature & Composition

Sample Track 2

9 th Grade	English 1 (grade of A)
10 th Grade	English 2 Honors (grade of A or B)
11 th Grade	English 3 Honors (grade of A or B)
12 th Grade	AP English Language & Composition

Sequence for Students Strong in Mathematics

Sample Track 1

9 th Grade	Geometry Honors (grade of A or B)
10 th Grade	Algebra 2 Honors (grade of A or B)
11 th Grade	Precalculus or Precalculus and AP Statistics
12 th Grade	AP Calculus AB/AP Calculus BC/ AP Statistics

Sample Track 2

9 th Grade	Algebra 2 Honors (grade of A or B)
10 th Grade	Precalculus or Precalculus and AP Statistics
11 th Grade	AP Calculus AB/BC and AP Statistics
12 th Grade	AP Calculus BC and/or AP Statistics

Sequence for Students Strong in Science

9 th Grade	Biology Honors or Chemistry Honors or AP Environment Science (if Biology was taken in 8 th grade)/ Research 1
10 th Grade	Chemistry Honors or AP Biology or AP Environmental Science/ Research 1 or 2
11 th Grade	AP Chemistry or AP Biology or AP Environmental Science or AP Physics 1 or 2/Research 1 or 2
12 th Grade	AP Chemistry or AP Biology or AP Environmental Science or AP Physics 1 or 2 or AP Physics C/Research 1 or 2

Sequence for Students Strong in Social Studies

9 th Grade	AP Human Geography
10 th Grade	AP World History
11 th Grade	AP United States History
12 th Grade	AP Macroeconomics/AP United States Government and Politics

Students with a grade of A or B in English 1,2,3 Honors should also consider taking **AP European History** and/or **AP Psychology**. These are great AP course options, but they do not substitute for graduation requirements in Social Studies.

Sequence for Students Strong in Fine Arts

	Sample Track 2D	Sample Track 2
9 th Grade	Art 2D/Art 3D	Art 2D/Art 3D
10 th Grade	Drawing or Paint or Digital Photo	Ceramics
11 th Grade	AP Art 2D	Sculpture
12 th Grade	AP Drawing	AP Art 3D

Other suggested AP courses include:

- AP Art History (suggested for artistic students interested in studying the historical aspects of art for inspiration)
- AP Music Theory (should have a background in music and meet with the instructor)

Sequence for Students Strong in World Language

	Sample Track 1	Sample Track 2	Sample Track 3
9 th Grade	French 1	Spanish 1	Spanish 2
10 th Grade	French 2	Spanish 2	Spanish 3
11 th Grade	French 3	Spanish 3	AP Spanish Language
12 th Grade	AP French	AP Spanish Language	AP Spanish Literature



Lake Howell is offering an innovative new diploma program called AP Capstone™. This program has been developed by College Board at the request of college and university admissions officers and faculty. AP Capstone™ provides the opportunity for students to develop critical thinking, research, and communication skills.

Students in the program will complete two newly-developed AP courses: **AP Seminar** and **AP Research**, along with any four other AP courses. These two new courses are uniquely aligned with core habits of mind, practices and skills that research has identified as critical to college and career success. Upon successful completion of both AP Capstone™ courses, four additional AP courses, and a level 3 or higher on these respective AP exams, students will receive the AP Capstone Diploma™.

1700500 AP SEMINAR (1 credit) (Grades 10–11)

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

1700510 AP RESEARCH (1 credit) (Grades 11–12)

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

AP Computer Science

0200335 AP COMPUTER SCIENCE PRINCIPLES (Grades 10-12) (1 credit)

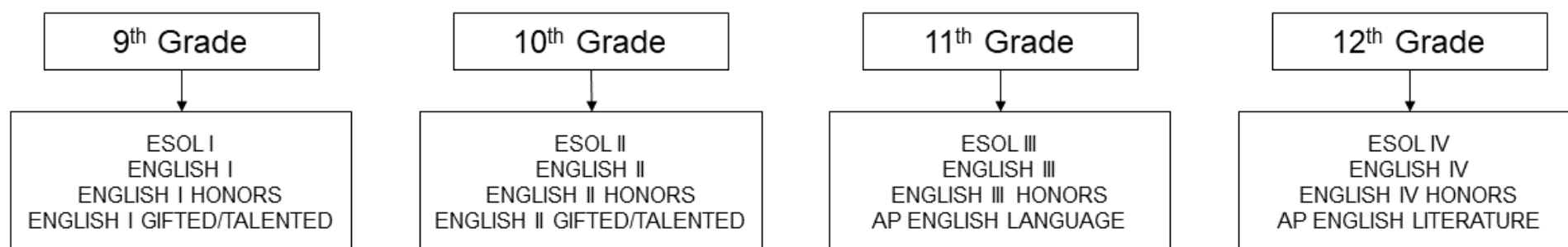
AP Computer Science Principles introduces students to the essential ideas of computer science with a focus on how computing can impact the world. Along with the fundamentals of computing, students will learn to analyze data, information or knowledge represented for computational use; create technology that has a practical impact; and gain a broader understanding of how computer science impacts people and society.

0200320 AP COMPUTER SCIENCE A (Grades 11-12) (1 credit)

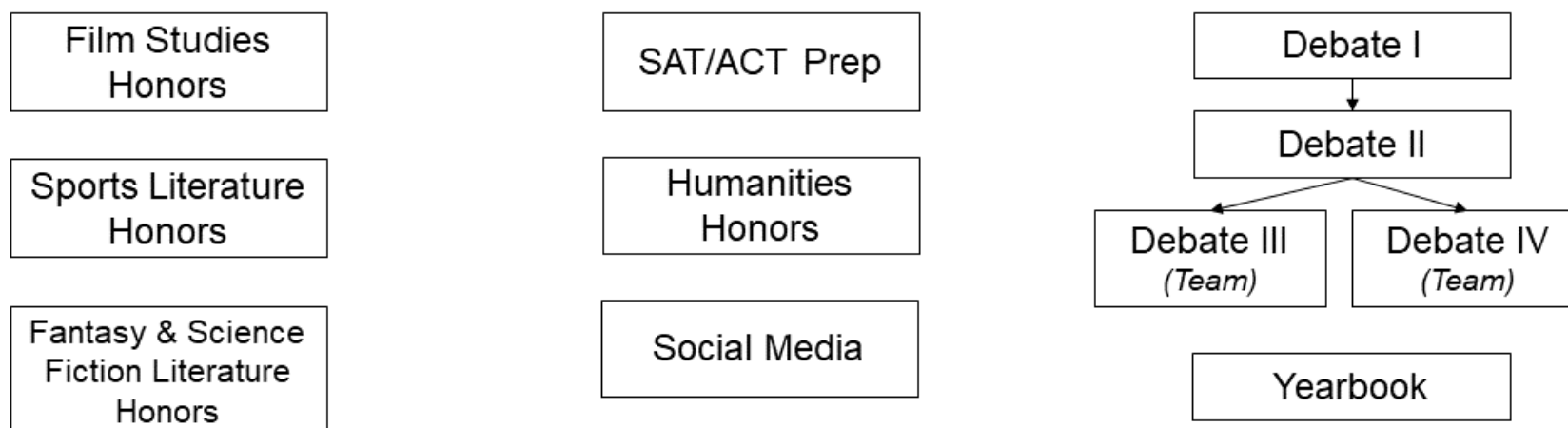
Prerequisite: Must have successfully completed AP Computer Science Principles

AP Computer Science embraces problem solving, hardware, algorithms, and perspectives that help people utilize computers to address real-world problems in contemporary life. The courses underscore the importance of communicating solutions appropriately and in ways that are relevant to current societal needs.

ENGLISH LANGUAGE ARTS



In addition to the classes above, you can also select from the following elective courses.



FSA Level 1 and Level 2 students are required to receive reading support through a reading class provided by a reading endorsed or certified teacher per Florida HB 7069.

ENGLISH LANGUAGE ARTS

1001310 ENGLISH I (Grade 9) (1 credit)

1001320 ENGLISH I HONORS (Grade 9) (1 credit)

This course provides instruction in the fundamentals of grammar, writing, vocabulary, and literature including nonfiction, the short story, poetry, drama, and the novel. Applied technical strategies are used to enhance oral and written communication and higher-level thinking skills.

1001415 PRE-ADVANCED PLACEMENT ENGLISH 1 (Grade 9) (1 credit)

Pre-AP English 1 focuses on the reading, writing, and language skills that have immediate relevance for students and that will be essential for their future coursework. The Pre-AP English areas of focus are practices that students develop and leverage as they engage with content. These areas of focus are vertically aligned to the practices embedded in other English courses in high school, including AP, and in college, giving students multiple opportunities to strengthen and deepen their work with these skills throughout their educational career. This course has an honors level GPA weight.

1001340 ENGLISH II (Grade 10) (1 credit)

1001350 ENGLISH II HONORS (Grade 10) (1 credit)

This course continues the development and application of higher-level thinking skills and relevant language skills, both written and verbal, for college and the workplace. Students integrate informational and argumentative writing, literary genre, and world literature with applied/technical communication strategies. Students complete practice activities reinforcing skills that will be tested on the High School Competency Test.

1001416 PRE-ADVANCED PLACEMENT ENGLISH II (Grade 10) (1 credit)

Pre AP English 2 builds on the foundation of English 1, with an emphasis on the recursive moves that matter in preparing students for the challenges of college-level reading, writing, and discussion. The Pre-AP English areas of focus are practices that students develop and leverage as they engage with content. These areas of focus are vertically aligned to the practices embedded in other English courses in high school, including AP, and in college, giving students multiple opportunities to strengthen and deepen their work with these skills throughout their educational career. This course has an honors level GPA weight.

1001370 ENGLISH III (Grade 11) (1 credit)

1001380 ENGLISH III HONORS (Grade 11) (1 credit)

In this course, students will focus on American Literature by reading texts of high complexity. Students will integrate reading, writing, speaking, listening, and research in order to be college and career ready.

1001420 AP ENGLISH LANGUAGE and COMPOSITION (1 credit)

The purpose of this course is to provide students with an understanding of the semantic, structural, and rhetorical resources of the English language. The course is designed to develop flexible writers who are able to write in various modes for a variety of purposes. Participating colleges and universities may award credit based on the results of the Advanced Placement Examination.

1001405 ENGLISH IV (Grade 12) (1 credit)

1001410 ENGLISH IV HONORS (Grade 12) (1 credit)

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.

1001430 AP ENGLISH LITERATURE and COMPOSITION (1 credit)

Students study and discuss great works of literature from various genres and periods. Frequent reading and writing assignments focus on the critical analysis of literature and are designed to develop the students' understanding of style, subject, and audience. Participating colleges and universities award credit based on the results of the Advanced Placement Examination.

ENGLISH LANGUAGE ARTS ELECTIVES

1700370 SAT/ACT TEST PREP (Grades 11-12) (0.5 credit)

This course provides test taking techniques for standardized tests. The major emphasis of this course is to become familiar with the ACT and to practice with actual test samples.

1007330 DEBATE 1 (Grades 10-12) (0.5 credit)

1007340 DEBATE 2 (Grades 11-12) (0.5 credit) *Prerequisite: Debate 1*

1007350 DEBATE 3 (Debate Team) (1 credit) *Prerequisite: Debate 2*

1007360 DEBATE 4 (Debate Team) (1 credit) *Prerequisite: Debate 3*

This course 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 career in law, business or politics. Students have the option of joining the debate team. This course satisfies the Fine Arts requirement.

1005350 FANTASY & SCIENCE FICTION LITERATURE HONORS (Grades 10-12) (0.5 credit)

The course will focus on science fiction and fantasy as genres melding literary art, scientific and philosophical speculation, and the evocation of the peculiar emotion often characterized as the "sense of wonder." It will survey the history of the genre and then delve into representative themes, rhetoric, and methods of storytelling in texts, films, and other media. In addition, there will be an examination of the composition of science fiction and the fantasy from a writer's standpoint.

0400360 FILM STUDIES HONORS (Grades 10-12) (0.5 credit)

This course introduces students to the history of cinema as a literary genre by introducing them to the language of the filmmaker. Students will study the purpose and effects of various cinematic techniques in units of study such as the Silent Era, Film Noir, Hollywood Musicals, Westerns, and Hollywood Blockbusters. Students will view film as a form of literature and will be assessed through writing assignments, presentations, and projects.

0900310 HUMANITIES HONORS (Grades 10-12) (0.5 credit)

The purpose of this course is to enable students to examine, understand, and respond to creative efforts of individuals and societies through interdisciplinary study of the arts and their connections to areas such as history, literature, philosophy, and religion from early civilizations to approximately 1500 CE. The students will explore humans' need for understanding the meaning of life. A variety of activities and learning strategies will be used to encourage engagement, participation, and curiosity. These include some exploration of images and literature utilizing the internet and other sources, hands-on projects, collaborative learning, in-class discussions, and films.

1006375 SOCIAL MEDIA (Grades 9-12) (0.5 credit)

The purpose of this course is to enable students to develop fundamental skills in the use of social media across print, multimedia, web, and broadcast platforms, including ethical and legal uses. Students will develop skills in digital communication, express social connections with maturity, use fundamental research skills, and collaborate amongst peers to use across different mediums of print, multimedia, online, and broadcast.

1005350 SPORTS LITERATURE HONORS (Grades 10-12) (0.5 credit)

The purpose of this course is to develop independent, critical proficiency in the study of sports literature and other non-fiction works; in addition to, fostering a high level of achievement in writing, reading, listening, viewing, and speaking for both college and career opportunities. This course is a study of sport as portrayed through short stories, poems, essays, works of fiction and non-fiction, and other mediums whose central focus is sport.

1006331YB YEARBOOK HONORS (Grades 9-12) (1 credit)- YEAR 1

1006332YB YEARBOOK HONORS (Grades 9-12) (1 credit)- YEAR 2

1006333YB YEARBOOK HONORS (Grades 9-12) (1 credit)- YEAR 3

1006334YB YEARBOOK HONORS (Grades 9-12) (1 credit)- YEAR 4

Prerequisite: Teacher advisement from Ms. Jackson and completion of previous year's course

Students will publish *Wings*, the school yearbook, experience journalistic ethics, research, interview, write, edit, and advertise. Students will learn about photography and graphics, layout and design, and business management.

ESOL

1002300 ENGLISH ESOL I (Grade 9)

1002310 ENGLISH ESOL II (Grade 10)

1002320 ENGLISH ESOL III (Grade 11)

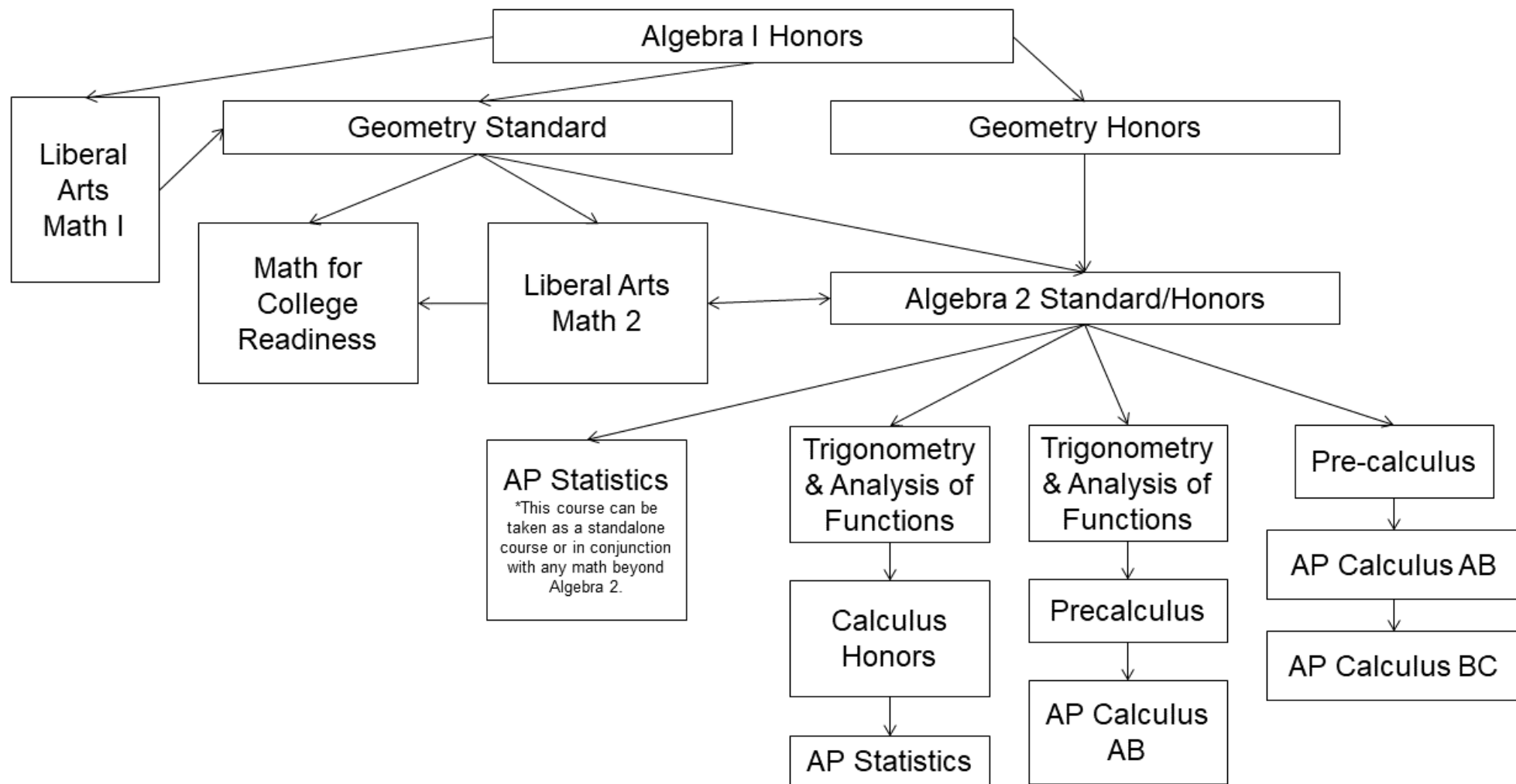
1002520 ENGLISH ESOL IV (Grade 12)

The purpose of the course sequence is to provide integrated educational experiences in the language arts strands of reading, writing, listening, viewing, speaking, language and literature. These courses are in alignment with the requirements of the corresponding grade level English course. The district shall provide appropriate instructional strategies to meet the needs of ESOL students enrolled in the course. **These courses meet the graduation requirements for English.**

10023811 DEVELOPMENT LANGUAGE THROUGH ESOL (Grade 9-12) (1 credit)

This course is designed for students who are in the beginning to intermediate stages of English language development or those with little or no previous school experience. Students at this level demonstrate a limited or no understanding of spoken English. Students will be placed in the appropriate level based on teacher assessment. **This course does not satisfy English graduation requirements.**

MATHEMATICS



MATHEMATICS

Students entering the ninth grade without a passing Algebra 1 EOC score will be placed in Algebra 1 Honors. All students are required to pass the Algebra EOC as part of their graduation requirement.

1200320 ALGEBRA I HONORS (1 credit)

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, simplifying radical and rational expressions, solving and graphing quadratic equations, exponential functions, linear regression analysis including residuals and introductory probability. Additionally, students will work on test taking skills and problem-solving techniques to prepare for the End of Course Exam (EOC). Algebra I is required for high school graduation.

Students are required to take an end of course exam that is worth 30% of their final grade.

1206310 GEOMETRY (1 credit)

1206320 GEOMETRY HONORS (1 credit)

Prerequisite: *Algebra I or Algebra I Honors*

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 are not limited to, logic and reasoning, proofs, the study of Euclidean geometry of lines, planes, angles, triangles, similarity, rigid transformations, congruence, geometric inequalities, exploration with polygons and circles, area and volume, and constructions. Additionally, students will work on test taking skills and problem solving techniques to prepare for the EOC.

Students are required to take an end of course exam that is worth 30% of their final grade.

1200330 ALGEBRA II (1 credit)

1200340 ALGEBRA II HONORS (1 credit)

Prerequisite: *Geometry or Geometry Honors*

This course is designed to continue the study of the structure of Algebra by providing the foundations for applying these skills to other math and science fields. Topics include, but are not limited to: Complex numbers, polynomial functions and their inverses, systems of linear and nonlinear equations and inequalities, polynomials, rational and radical functions, reciprocal functions, exponential and logarithmic functions, and graphing transformations of all the previously named functions along with trigonometry, sequences and series, conditional probability, normal distributions, introductory inference and margin of error, categorical and quantitative variable statistical analysis.

1211300/1201315 TRIGONOMETRY/ANALYSIS OF FUNCTIONS HONORS (0.5 credit each)

Prerequisite: *Algebra II or Algebra II Honors*

This course is designed to prepare students to be successful in Calculus Honors or AP Statistics. Major topics include: analysis of algebraic, exponential, logarithmic, polynomial, radical, rational, and trigonometric functions; composite and circular functions; graphs of trigonometric functions; particular and general solutions of trigonometric equations; using trigonometry in a complex plane; vectors and polar coordinates. This course is taught utilizing a graphing calculator.

1202340 PRE-CALCULUS HONORS (1 credit)

Prerequisite: *Algebra II Honors*

This course is designed to provide a rigorous, in depth foundation for the study of Calculus. Topics include, but are not limited to, analysis of algebraic, exponential, polynomial, rational, logarithmic, and trigonometric functions, application of intermediate and extreme value theorems, analytic geometry, vectors, polar and parametric equations, and the complex number system. Infinite series, including an introduction to limits and continuity, will be explored. This course is designed to prepare students for success in AP Calculus.

1207300 LIBERAL ARTS MATH I (1 credit)

Prerequisite: *School Placement only*

The purpose of this course is to meet the needs of students who and have not met the Algebra EOC graduation requirement. This course is designed to strengthen skills taught in Algebra I while providing a foundation for Geometry. Major topics include: Quantities; Seeing Structure in Expressions; Arithmetic with Polynomials and Rational Expressions; Creating Equations; Reasoning with Equations and Inequalities; Interpreting Functions; Congruence; Similarity, Right Triangles, and Trigonometry; Geometric Measurement and Dimension; Modeling with Geometry, and; Interpreting Categorical and Quantitative Data. Not recommended for university bound students.

1207310 LIBERAL ARTS MATH II (1 credit)

Prerequisite: *School placement only based on FSA scores*

The purpose of this course is strengthen skills taught in Algebra I and Geometry while preparing students for Algebra II or fourth math credit. Major topics include: The Real Number System; Complex Numbers; Seeing Structure in Expressions; Arithmetic with Polynomials and Rational Expressions; Reasoning with Equations and Inequalities; Interpreting Functions; Linear and Exponential Models; Expressing Geometric Properties with Equations; Making Inferences and Justifying Conclusions, and; Conditional Probability and the Rules of Probability. Not recommended for university bound students.

1200700 MATH for COLLEGE READINESS (Grade 12 only) (1 credit)

Prerequisite: *Geometry teacher advisement*

The purpose of this course is to meet the needs of seniors who and have not met the Algebra EOC graduation requirement. 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. Major topics include: linear equations, quadratic equations, radical equations, polynomials, exponential equations, compound and simple interest, matrices, properties of exponents, solving systems of equations, and descriptive statistics. Additionally, students will work on test taking skills and problem solving techniques to prepare for EOC retakes, SAT, and ACT. Not recommended for university-bound students.

1210320 AP STATISTICS (1 credit)

Prerequisite: *Algebra II*

This course is designed for the highly motivated, college-bound student who wishes to pursue college-level work while in high school. The purpose of this course is to introduce students to the major tools used in collecting, analyzing, and drawing conclusions from data. The four broad conceptual themes are exploring data, planning a study, anticipating patterns in advance, and statistical inference. This course is taught utilizing graphing calculators. Based on the results of the Advanced Placement Exam, college credit may be awarded by participating colleges and universities.

Only 12th grade students may take this as their only math class.

1202300 CALCULUS HONORS (1 credit)

Prerequisite: *Trigonometry/Analysis of Functions*

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

1202310 AP CALCULUS AB (1 credit)

Prerequisite: *Pre-Calculus*

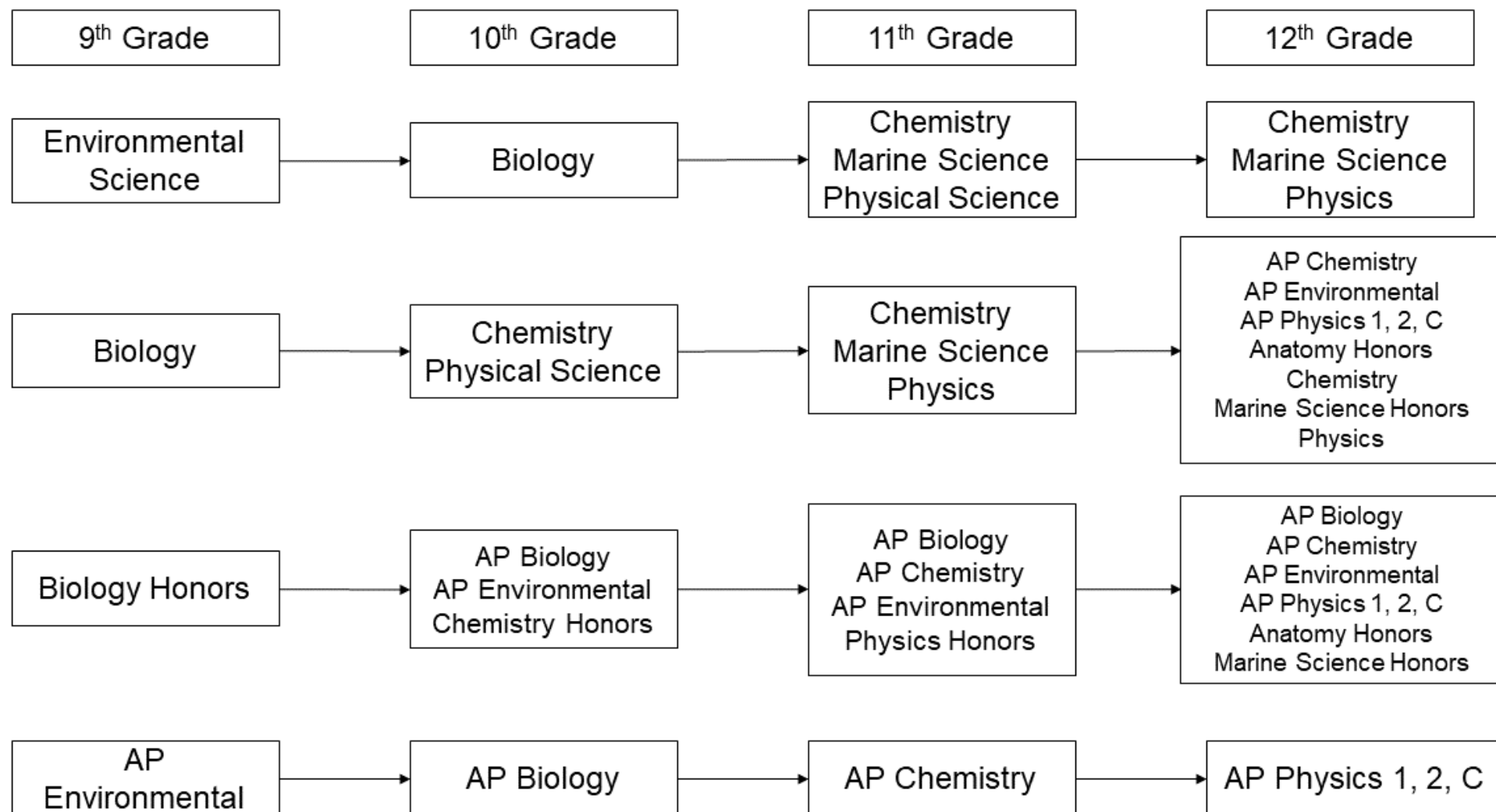
This course is designed for the highly motivated college-bound student who wishes to pursue college level work while still in high school. This course is intended for students who have a thorough knowledge of college preparatory mathematics. It is a course in introductory calculus with elementary (algebraic, 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 graphing calculators. Based on the results of the Advanced Placement Exam, college credit may be awarded by participating colleges and universities.

1202320 AP CALCULUS BC (1 credit)

Prerequisite: *AP Calculus AB*

This AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations.

SCIENCE



SCIENCE

Students may be placed in a science class based on the previous year's Reading FSA score. All students entering ninth grade are required to complete at least one credit of Biology.

2000310 BIOLOGY (1 credit)

2000320 BIOLOGY HONORS (1 credit)

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 research of contemporary problems and issues. The study of life processes will include measurement, 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 this course. **Students are required to take an end of course exam that is worth 30% of their final grade.**

2003340 CHEMISTRY (1 credit)

2003350 CHEMISTRY HONORS (1 credit)

Honors prerequisite: Level 4 or higher on the Algebra EOC or concurrently taking Algebra II

The purpose of this course is to introduce students to the study of the composition, properties and changes associated with 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 this course.

2001340 ENVIRONMENTAL SCIENCE (Grade 9) (1 credit)

This course will help students strengthen their skills in the areas of academic performance, learning strategies and critical thinking, as they study interactions between organisms and the environment, biogeochemical cycles, the evolution of life on earth and energy flow.

2003310 PHYSICAL SCIENCE (Grades 10-12) (1 credit)

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, forces, and their applications through exploratory investigations and activities.

2002510 MARINE SCIENCE HONORS (Grades 10-12) (1 credit)

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.

2000360 ANATOMY & PHYSIOLOGY HONORS (Grades 11-12) (1 credit)

This course provides science students with a comprehensive background in human anatomy and physiology. Students will be required to understand terminology, identify structures, and understand 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. Vertebrate dissection is a major part of this course. Laboratory activities and safe laboratory techniques are an essential component of the course.

2003380 PHYSICS (1 credit)

2003390 PHYSICS HONORS (1 credit)

Honors prerequisite: Level 4 or higher on the Algebra EOC or concurrently taking Algebra II

This course will provide students with an introductory study of the theories and laws governing mechanics, conservation of energy and electricity. 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 method.

2000340 AP BIOLOGY (Grade 10 - 12) (1 credit)

Prerequisite: "A" or "B" in Honors Biology, Level 3 or higher in AP Chemistry or Level 3 or higher in AP Environmental

This course is a first year college biology course. The content includes biochemistry, cell biology, cellular energetics, cell signaling, genetics, evolution, ecology, etc. The challenging nature of this course requires the student to devote significant quantities of time and effort outside of regular class time. Laboratory experiments are a significant component of this course, and as such, students considering to enroll in it should have an understanding of experimental design. Participating colleges and universities award credit based on the results of the Advanced Placement Examination.

2003370 AP CHEMISTRY (1 credit)

Prerequisite: *Honors Chemistry & Algebra II*

AP Chemistry is a college level course in chemistry. The content stresses the importance of the theoretical aspects of chemistry: structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics and the basic dynamics of thermochemistry will be covered in considerable depth. Laboratory experiments are a significant component of this course. The challenging nature of this course requires the student to devote significant quantities of time and effort outside of regular class time. Participating colleges and universities award credit based on the results of the AP exam and lab participation.

2001380 AP ENVIRONMENTAL SCIENCE (Grade 9 - 12) (1 credit)

Co-requisite: *Algebra II concurrent enrollment*

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. **The course will include a strong writing, laboratory and field investigation component.** The challenging nature of this course requires the student to devote significant quantities of time and effort outside of regular class time. Participating colleges and universities award credit based on the results of the Advanced Placement Examination.

2003421 AP PHYSICS I (Grade 11 - 12) (1 credit)

Prerequisite: *Level 4 or 5 on the Algebra 1 EOC (or) taking Algebra II Honors concurrently*

This course is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Lab Requirement: This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

2003422 AP PHYSICS II (Grade 11 - 12) (1 credit)

Prerequisite: *Level 4 or 5 on the Algebra 1 EOC (or) taking Algebra II Honors concurrently*

This course is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Lab Requirement: This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

2003425 AP PHYSICS C - ELECTRICITY & MAGNETISM (Grade 11 - 12) (1 credit)

Prerequisite: *AP Calculus AB (or) AP Physics I & concurrently taking AP Calculus AB*

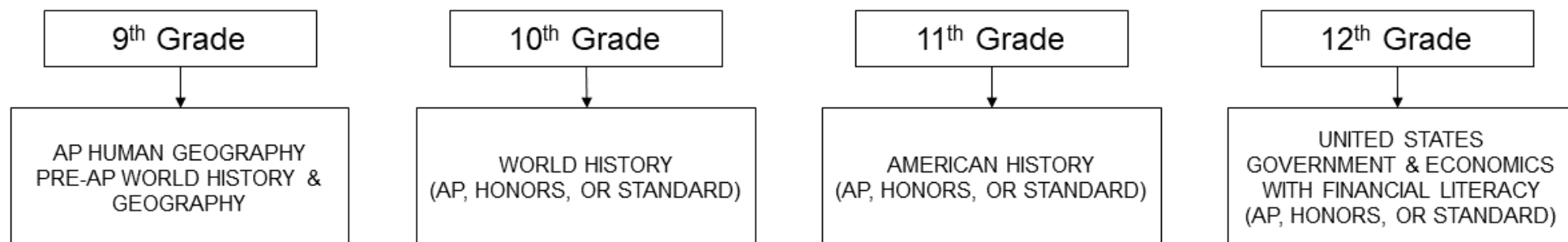
This course is a one-semester, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course. Lab Requirement: should include a hands-on laboratory component comparable to a semester-long introductory college-level physics laboratory. Students should spend a minimum of 20 percent of instructional time engaged in hands-on laboratory work. Students ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. Each student should complete a lab notebook or portfolio of lab reports.

2003430 AP PHYSICS C - MECHANICS (Grade 11 - 12) (1 credit)

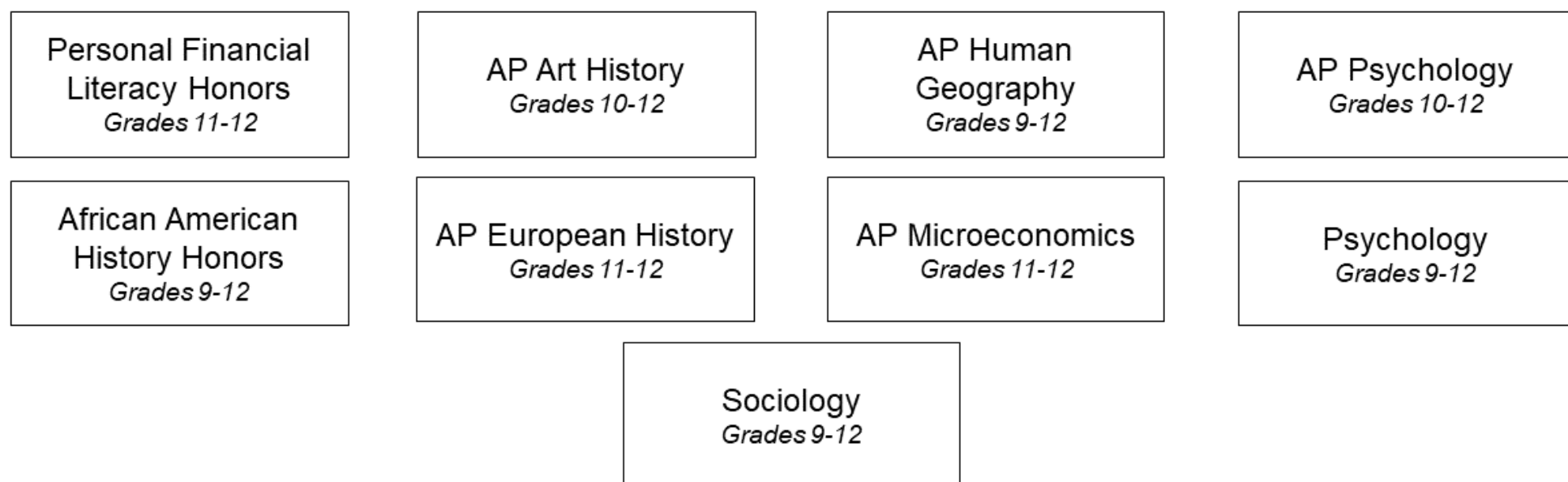
Co-requisite: *AP Calculus AB*

This course is equivalent to a one-semester, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course. Lab Requirement: should include a hands-on laboratory component comparable to a semester-long introductory college-level physics laboratory. Students should spend a minimum of 20 percent of instructional time engaged in hands-on laboratory work. Students ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. Each student should complete a lab notebook or portfolio of lab reports. This course will have students study the Earth's bodies of water and geologic structures and how they impact the oceans. Students will investigate characteristics of various populations, patterns of distribution of life in our aquatic systems, and ongoing changes occurring every day in our ocean's ecosystems.

SOCIAL STUDIES



In addition to the classes above, you can also select from the following elective courses.



SOCIAL STUDIES

Students may be placed in a social studies class based on the previous year's Reading FSA score.

2109415 PRE-ADVANCED PLACEMENT WORLD HISTORY & GEOGRAPHY (Grade 9) (1 credit)

Pre-AP World History and Geography focuses deeply on the concepts and skills that have maximum value for high school, college, careers, and civic life. The course builds students' essential skills and helps to prepare them for a range of AP history and social science coursework during high school, including AP Human Geography and all three AP history courses. The learning model is that of an apprenticeship. Primary and secondary sources take center stage in the classroom, and students use the tools of the historian and geographer to examine questions and build arguments. This course has an honors level GPA weight.

2103400 AP HUMAN GEOGRAPHY (Grades 9-11) (1 credit)

AP Human Geography introduces high school students to college-level introductory human/cultural geography. The content is presented thematically rather than regionally and is organized by subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. The goal for the course is for students to become more geoliterate, more engaged and informed in contemporary global issues and multicultural viewpoints.

2109310 WORLD HISTORY (Grade 10) (1 credit)

2109320 WORLD HISTORY HONORS (Grade 10) (1 credit)

This course continues the in-depth study of the history of civilizations and societies begun with the middle school course. Students will be exposed to historical periods leading to the beginning of the 21st century and the course includes the history of civilizations and societies of North and South America. Students should have the opportunity to review fundamental ideas and events from ancient and classical civilizations so that students can clearly see the relationship between cause and effect in historical events.

2109420 AP WORLD HISTORY (Grade 10) (1 credit)

Students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

2100310 UNITED STATES HISTORY (GRADE 11) (1 credit)

2100320 UNITED STATES HISTORY HONORS (Grade 11) (1 credit)

The primary content emphasis for this course pertains to the study of United States history from Reconstruction to the present day. Students will be exposed to the historical, geographic, political, economic and sociological events which influenced the development of the United States and the resulting impact on world history. So that students can clearly see the relationship between cause and effect in historical events, students should have the opportunity to review those fundamental ideas and events which occurred before the end of Reconstruction.

2100330 AP UNITED STATES HISTORY (Grades 11-12) (1 credit)

Historical content begins with exploration and colonization of the Western hemisphere and continues through modern-day America. Emphasis is placed on analysis of factual information and critical thinking using historical documents. Students will read a wide variety of historical documents and text.

2102310 ECONOMICS W/FINANCIAL LITERACY (Grade 12) (0.5 credit)*

2102320 ECONOMICS W/FINANCIAL LITERACY HONORS (Grade 12) (0.5 credit)*

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

2102370 AP MACROECONOMICS (Grade 12) (0.5 credit)

Students will study economic systems with special emphasis on the comprehensive study of the ways societies organize and utilize limited resources to satisfy unlimited wants. The course is designed to provide students the opportunity to develop the analytical skills and factual knowledge necessary to deal critically with the problems, content, and materials of economic theory.

2102360 AP MICROECONOMICS (Grade 12) (0.5 credit)

AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. **Microeconomics does not meet the graduation requirement for Economics.*

2106310 UNITED STATES GOVERNMENT (Grade 12) (0.5 credit)

2106320 UNITED STATES GOVERNMENT HONORS (Grade 12) (0.5 credit)

The content for the course pertains to the study of government institutions and political processes and their historical impact on American society. Content includes, but is not limited to, the functions and purpose of government, the function of the state, the constitutional framework, federalism, separation of powers, functions of the three branches of government at the local, state and national level, and the political decision-making process.

2106420 AP UNITED STATES GOVERNMENT (Grade 12) (0.5 credit)

This course provides students with an analytical perspective on government and politics in the US. The course includes both the study of general concepts used to interpret US government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs and ideas that make up US government and politics.

2109380 AP EUROPEAN HISTORY (Grade 11-12) (1 credit)

This course develops the analytical skills and factual knowledge necessary to critically deal with the problems, content, and materials of European historic development from 1300 to present. Focus will be on persistent themes and changes in history; applying historical reasoning to seek solutions to contemporary problems.

2102374 PERSONAL FINANCIAL LITERACY HONORS (Grades 11-12) (0.5 Credit)

Understanding financial management concepts is an important life skill. Wisely managing their money, students become citizens that are more responsible. A thorough understanding of financial concepts, with practical application through activities and projects, will enable students to leave this course with applicable, useful skills for life. This course surveys the basic personal financial needs of most individuals and emphasizes the basics of budgeting, saving, checking, investments, credit, the wise use of insurance, and paying and preparing income tax returns. Students taking this course will learn to better prepare for their financial future.

2108300 SOCIOLOGY (Grades 9-12) (0.5 credit)

Through the study of sociology, students acquire an understanding of group interaction and its impact on individuals in order that they may have a greater awareness of the beliefs, values and behavior patterns of others. In an increasingly interdependent world, students need to recognize how group behavior affects both the individual and society.

2107300 PSYCHOLOGY (Grades 9-12) (0.5 credit)

Through the study of psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction and the progressive development of individuals. The content examined in this first introductory course includes major theories and orientations of psychology, psychological methodology, memory and cognition, human growth and development, personality, abnormal behavior, psychological therapies, stress/coping strategies, and mental health.

2107350 AP PSYCHOLOGY (Grades 10-12) (1 credit)

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.

2100336 AFRICAN AMERICAN HISTORY HONORS (Grades 9-12) (0.5 credit)

The primary content emphasis for this course pertains to the study of the chronological development of African Americans by examining the political, economic, social, religious, military and cultural events that affected the cultural group.

EPATHWAYS CAREER PROGRAMS

Career & Technical Education

Entrepreneurship CAPE Academy

Principles of
Entrepreneurship

Business
Management & Law

Business Ownership

Dual Enrollment:
Entrepreneurship
Intro to Business

Salon & Spa *Hello Gorgeous*

Grooming & Salon
Services I/
Cosmetology II

Cosmetology III

Cosmetology IV

Cosmetology V

Culinary CAPE Academy *Hawk Cafe*

Principles of Food
Preparation

Culinary Arts II

Culinary Arts III

Culinary Arts IV

Early Childhood CAPE Academy *Little Hawks*

Early Childhood I

Early Childhood II

Early Childhood III

Early Childhood IV

Unmanned Aerial Systems CAPE Academy

Naval Science I

Principles of Aero
Science/Unmanned
Aerial Systems (UAS)

UAS Cross Country
Data/UAS Security

UAS Aerial Photo/
Principles of
Management

Cybersecurity CAPE Academy

IT Fundamentals

Cybersecurity
Essentials

Computer and
Network Security

Operational
Cybersecurity

Digital Media CAPE Academy

Digital Information Technology

Digital Design I

Digital Design II

Digital Design III

Foundations of Web Design

User Interface Design

Web Script Fundamentals

TV Production CAPE Academy *Hawk News*

TV Production I

TV Production II

TV Production III

TV Production IV

Barbering

Barbering I

Barbering II

Barbering III

Barbering IV

EPATHWAYS CAREER PROGRAMS

Career & Technical Education

ENTREPRENEURSHIP CAPE ACADEMY

Program: Entrepreneurship

Program #: 8812100

Description: This program introduces students to the concept of entrepreneurship as a viable career option. Students will be provided the skills needed to realistically evaluate their potential as a business owner, and develop the fundamental knowledge and skills necessary to start and operate a business and gain an overall understanding of the general processes involved in designing, starting, and managing a successful business venture. The High School Branch Program is a partnership with Lake Howell's Entrepreneurship Program and Addition Financial. The program is designed to introduce students enrolled in Entrepreneurship courses to good financial management skills. Addition Financial provides full training to students and prepares them to fully staff and run the Addition Financial branch on Lake Howell's campus. The program gives students an opportunity to develop a better understanding of how financial institutions operate as well as gain real-world work experience. Some student tellers have become full-time Addition Financial team members upon completing their education.

Courses Grades 9 – 12

Year 1: 8812110	PRINCIPLES of ENTREPRENEURSHIP (1 credit)
Year 2: 8812120	BUSINESS MANAGEMENT & LAW HONORS (1 credit)
Year 3: 8812000	BUSINESS OWNERSHIP HONORS (1 credit)
Year 4: GEB 1101	INTRODUCTION TO BUSINESS
GEB 2112	ENTREPRENEURSHIP
(3 college credit hours each/0.5 high school credit each)	

Industry Certifications Offered:

Intuit Quickbooks

ADDITION FINANCIAL LAKE HOWELL BRANCH

Partnership with Addition Financial



Our High School Branch Program is designed to introduce young people to good financial management skills. We provide full training to high school students and prepare them to fully staff and run Addition Financial's high school branches, located on their high school campus. Students develop a better understanding of how financial institutions operate as well as gaining real-world work experience. Some student tellers have become full-time Addition Financial team members upon completing their education.

CULINARY ARTS CAPE ACADEMY *Hawks Cafe*

Program: Culinary Arts

Program #: 8800500

Description: This program is designed for students who enjoy hands on experiences with food and want to learn about the food service 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. Years two, three and four expand on skills and knowledge of the food service industry including but not limited to multiple step recipes, participation in the catering, daily functions of the on-campus café and opportunities to participate in culinary competition teams.

Courses Grades 9 – 12

Year 1: 8500390	PRINCIPLES OF FOOD PREP (0.5 credit)
Year 2: 8800510	CULINARY ARTS I (1 credit)
Year 3: 8800520	CULINARY ARTS II (1 credit)
Year 4: 8800530	CULINARY ARTS III HONORS (1 credit)

Industry Certifications Offered:

Certified Food Protection Manager (ServSafe)
National Registry of Food Safety Professionals

CYBERSECURITY

Program: Applied Cybersecurity

Program #: 9001300

Description: This program includes but is not limited to foundational knowledge and skills in computer and network security, security vulnerabilities, attack mechanisms and techniques, intrusion detection and prevention, cryptographic systems, system hardening, risk identification, incidence response, penetration testing, key management, access control, and recovery.

Courses Grades 9 – 12

Year 1: 9001310	IT FUNDAMENTALS (1 credit)
Year 2: 9001320	COMPUTER & NETWORK SECURITY (1 credit)
Year 3: 9001330	CYBERSECURITY ESSENTIALS (1 credit)
Year 4: 9001340	OPERATIONAL CYBERSECURITY (1 credit)

Industry Certifications Offered:

Compia IT Fundamentals +, Compia A+, Compia Network +, Compia Security +

EARLY CHILDHOOD EDUCATION *Little Hawks*

Program: Early Childhood Education

Program #: 8405100

Description: This course is for the student who enjoys working with children. Students in levels 2-5 work hands on in the Little Hawk Preschool as teen teachers. Level 1 students complete 45 hours of DCF Coursework for initial employment in a childcare setting. Level 3 is an honors course, offering college credit through Seminole State College and the e-Pathways program. Level 4 students earn their Child Developmental Associates Credential (CDA) allowing them to become a lead Pre-K teacher.

Courses Grades 9 – 12

Year 1: 8405110	EARLY CHILDHOOD EDUCATION I (1 credit)
Year 2: 8405120	EARLY CHILDHOOD EDUCATION II (1 credit)
Year 3: 8405130	EARLY CHILDHOOD EDUCATION III (1 credit)
Year 4: 8405140	EARLY CHILDHOOD EDUCATION IV (1 credit)

Industry Certifications Offered:

45 Hour State Mandated Training (Level 1)

Certified Food Protection Manager (ServSafe) (Level 2)

Seminole State Collee Credits (Level 3)

Child Development Associate (CDA) (Level 4)

COSMETOLOGY *Hello Gorgeous*

Program: Cosmetology

Program #: 8905100

Description: This program provide students with an introduction to the field of cosmetology. Students should have a genuine interest in learning all aspects of cosmetology and a passion for making people look and feel good about themselves. Upon completion of this program, students will have up to 350 hours towards the state requirement in post-secondary institutions.

Courses Grades 9 – 12

Year 1: 8757210	GROOMING AND SALON SERVICES/
8905120	COSMETOLOGY 2 (0.5 credit each)
Year 2: 8905130	COSMETOLOGY 3 (0.5 credit)
Year 3: 8905140	COSMETOLOGY 4 (1 credit)
Year 4: 8905150	COSMETOLOGY 5 (1 credit)

BARBERING

Program: Barbering

Program #: 8757100

Description: This program provides students with an introduction to the field of barbering. Upon completion of this program, students will have up to 350 hours towards the state requirement in post-secondary institutions.

Courses Grades 9 – 12

Year 1: 8757110	BARBERING 1 (1 credit)
Year 2: 8757120	BARBERING 2 (1 credit)
Year 2: 8757130	BARBERING 3 (1 credit)
Year 3: 8757140	BARBERING 4 (1 credit)

DIGITAL MEDIA CAPE ACADEMY

Program: Digital Design

Program #: 8209600

Description: This course is for students who are interested in learning how to use industry certified programs to create graphics and designs for print and the web. Students will develop a foundation in design concepts and commonly used design software programs Adobe InDesign, Photoshop, and Illustrator. The purpose of the course is to prepare students for employment in the digital design industry which includes careers such as graphic design, digital artist, and multimedia design. This course is project based and students will leave the digital design program with a digital design portfolio and career ready skills.

Courses Grades 9 – 12

Prerequisite: Digital Information Technology. Courses must be taken in sequence.

Year 1: 8209510	DIGITAL DESIGN I (1 credit)
Year 2: 8209520	DIGITAL DESIGN II (1 credit)
Year 3: 8209530	DIGITAL DESIGN III HONORS (1 credit)
Year 4: 8209540	DIGITAL DESIGN IV HONORS (1 credit)

Industry Certifications Offered:

Adobe Certified Professional in Visual Design: Photoshop and Illustrator or InDesign

WEB DESIGN

Description: This course is for students who are interested in learning how to design websites. The intention of this course is designed to provide students with opportunities to acquire and apply foundational skills related to web design and develop skills needed to prepare for further education and careers such as an Assistant Web Designer, a Web Designer, and Senior Web Designer in the Information Technology. The content includes but is not limited to operating system commands and web document development, design, promotion and scripting.

Courses: Grades 9 – 12

Prerequisite: Digital Information Technology. Courses must be taken in sequence.

Year 1: 9001110	FOUNDATIONS OF WEB DESIGN (1 credit)
Year 2: 9001120	USER INTERFACE DESIGN (1 credit)
Year 3: 9001130	WEB SCRIPT FUNDAMENTALS (1 credit)

Industry Certifications Offered:

Adobe Certified Professional in Web Design: Dreamweaver and Animate or Photoshop

TELEVISION PRODUCTION ACADEMY Hawk News

Program: Television Production Technology

Program #: 8201500

Description: Students will learn to create digital video content for broadcast news, sports journalism, and narrative film production. This course develops industry-standard skills required for careers in filmmaking, broadcast news, video, and multimedia production. The content includes the use of production equipment and postproduction software necessary for the production of video content. The purpose of this program is for students to develop a variety of soft skillsets (collaboration, time management, problem-solving, creativity, etc.) useful in all career fields in addition to the hard skill sets necessary for employment in film, television, and video production through the production of content for a student news broadcast or narrative films.

Courses Grades 9 – 12

Year 1: 8201510	TV PRODUCTION I (1 credit)
Year 2: 8201520	TV PRODUCTION II (1 credit)
Year 3: 8201530	TV PRODUCTION III (1 credit)
Year 4: 8772140	TV PRODUCTION IV HONORS (1 credit)

Industry Certifications Offered:

Adobe Certified Professional in Video Design: Premiere Pro and After Effects or Photoshop

CAREER AND TECHNICAL EDUCATION ELECTIVES

8303010 DCT - DIVERSIFIED CAREER TECH (Grades 11-12) (1 credit)

This course focuses on providing students with the skills necessary to be successful in the 'real world'. Topics include: the employment process, budgeting for independent living, personal finance, career exploration, student skills and time management techniques for success in all areas of life. ***Students taking on-the-job training (OJT) electives must take this course concurrently.***

8300410 OJT – ON-THE-JOB TRAINING (Grades 11-12) (Multiple credits)

This course is designed to enable students to demonstrate competencies in a specific career including but not limited to legal and ethical behavior within the role and scope of the job responsibility for which they have been hired for. Individual training plans are developed and utilized to ensure that training is provided which will develop the necessary competencies and/or skills in order to ensure the student becomes competent in the occupation for which they are being trained for.

Students enrolling in the OJT program must receive prior approval from Mrs. Marcello (2-210) to verify that students have proper working arrangements. Each OJT course requested is the equivalent of 5 hours of work per week. If registering for more than one OJT section, the appropriate number of hours must be met. Students who are taking OJT and have not met the Career E-Pathways pre-requisite MUST complete the DCT course.

1900310 DRIVER EDUCATION (AFTER SCHOOL PROGRAM) (0.5 credit)

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

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

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

COMPUTER SCIENCE

0200305 COMPUTER SCIENCE DISCOVERIES (Grades 9-12) (1 credit)

Computer Science Discoveries introduces students to computer science as a vehicle for problem solving, communication, and personal expression. The course focuses on the visible aspects of computing and computer science and encourages students to see where computer science exists around them and how they can engage with it as a tool for exploration and expression. Centering on the immediately observable and personally applicable elements of computer science, the course asks students to look outward and explore the impact of computer science on society. Students should see how a thorough student-centered design process produces a better application, how data is used to address problems that affect large numbers of people, and how physical computing with circuit boards allows computers to collect, input and return output in a variety of ways.

0200315 COMPUTER SCIENCE PRINCIPLES (Grades 10-12) (1 credit)

Prerequisite: Computer Science Discoveries

This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Computing is so fundamental to understanding and participating in society that it is valuable for every student to learn as part of a modern education. Computer science can be viewed as a liberal art, a subject that provides students with a critical lens for interpreting the world around them. Computer science prepares all students to be active and informed contributors to our increasingly technological society whether they pursue careers in technology or not. Computer science can be life-changing, not just skill training.

Students learn best when they are intrinsically motivated. This course prioritizes learning experiences that are active, relevant to students' lives, and provide students authentic choice. Students are encouraged to be curious, solve personally relevant problems and to express themselves through creation. Learning is an inherently social activity, so the course is designed to interweave lessons with discussions, presentations, peer feedback, and shared reflections. As students proceed through the pathway, the structures increasingly shift responsibility to students to formulate their own questions, develop their own solutions, and critique their own work.

It is also critical to diversity the technology workforce. Addressing inequities within the field of computer science is critical to bringing computer science to all students. The tools and strategies in this course will help teachers understand and address well-known equity gaps within the field. All students can succeed in computer science when given the right supports and opportunities, regardless of prior knowledge.

PERFORMING & FINE ARTS

Courses that meet the Performing and Fine Arts Graduation Requirement

Grooming & Salon Services (DOE 8757210)
Cosmetology 2 (DOE 8305120)
Cosmetology 3 (DOE 8905140)
Barbering I and II
TV Production I and II
Principles of Entrepreneurship
Business Ownership

Culinary Arts II and III
Digital Design I and II
Digital Video and Sound
Early Childhood Education III
Journalism
Digital Information Technology
Creative Photography I and II

Dance
Film Studies
All Classes under the 'Art' Section
All Classes under the 'Music' Section
All Classes under the 'Theater' Section
NJROTC (two years, requires a waiver)

BAND PROGRAM

The Lake Howell Band Program is a co-curricular activity that creates the Silver Regiment Marching Band in the fall by combining the Symphonic Band, Wind Ensemble, Percussion Ensemble and Eurhythmics classes during football season. After football season, the classes separate and create the concert bands. Rehearsals will be held two to three times a week after school plus various performances (including all football games in the fall, concerts and various FBA MPA evaluations). The times of those rehearsals will be given to students on the first day of school. The marching band season begins with periodic rehearsals over the summer and concludes no later than the end of November. The marching band will perform and compete in several FMBC circuit competitions and FBA events. In addition, the Color Guard continues to compete throughout the entire year (See more below in Colorguard/ Winterguard course description). A two-week band camp is also a part of the summer rehearsals and is a requirement to participate in the band program. Fund raising opportunities exist within the band program to assist band students with associated fees.

SYMPHONIC BAND (1 credit each)

1302300S SYMPHONIC BAND 09 (Freshmen)
1302310S SYMPHONIC BAND 10 (Sophomores)
1302320S SYMPHONIC BAND 11 (Juniors)
1302330S SYMPHONIC BAND 12 (Seniors)

WIND ENSEMBLE (audition required) (1 credit each)

1302450W WIND ENSEMBLE 09 HONORS (Freshmen)
1302490W WIND ENSEMBLE 10 HONORS (Sophomores)
1302340W WIND ENSEMBLE 11 HONORS (Juniors)
1302350W WIND ENSEMBLE 12 HONORS (Seniors)

Audition materials for tryouts will be available the beginning of May. Students should sign up for the course you desire. Course levels are at the discretion of the band director. Students must prepare to audition for the All County Honor Band in the fall and participate in Solo and Ensemble in the spring.

PERCUSSION (1 credit each)

1302300P PERCUSSION 09 (Freshmen)
1302310P PERCUSSION 10 (Sophomores)
1302320P PERCUSSION 11 (Percussion in Symphonic Band)
1302330P PERCUSSION 12 (Percussion in Symphonic Band)
1302340P PERCUSSION 11 HONORS (Percussion in Wind Ensemble)
1202350P PERCUSSION 12 HONORS (Percussion in Wind Ensemble)

This is a performance-oriented full credit class that is designed to develop a student's ability to perform on percussion instruments including all mallet percussion, hand drum, battery percussion, concert percussion and more. Students will participate in the Marching Band, Concert Band, and Percussion Ensembles. This course will seek to instill mastery of the rudiments and terminology of music and to foster an appreciation for music. ***Percussionists should only sign up for the Percussion class. Students should only sign up for Wind or Symphonic if they also play a wind instrument.***

JAZZ BAND (audition required - Grades 10 -12) (1 credit each)

1302500 JAZZ BAND 09 (Freshmen)
1302510 JAZZ BAND 10 (Sophomores)
1302520 JAZZ BAND 11 (Juniors)
1302530 JAZZ BAND 12 HONORS (Seniors)

This is a performance-oriented full credit class open to a select group of musicians determined by audition only. This group will perform and study jazz and pop music of various styles and time periods. Students will develop the ability to improvise over basic chord progressions while becoming familiar with the nomenclatures of various jazz styles. As a co-curricular performance activity, attendance is required for rehearsals and performances beyond regular school hours. In order to be in Jazz Band, you must also be in a standard band or percussion class.

COLORGUARD/WINTERGUARD (1 credit each):

1305300	COLOR/WINTERGUARD 09 (Freshman)
1305310	COLOR/WINTERGUARD 10 (Sophomore)
1305320	COLOR/WINTERGUARD 11 (Juniors)
1305330	COLOR/WINTERGUARD 12 (Seniors)

This is a performance-oriented full credit class with content that includes understanding and demonstrating performance techniques appropriate to various styles of music and dance. Develops the basic knowledge and skills in performance of varied dance genre, such as ballet and modern dance while also spinning equipment including flags, rifles and sabres. This class is open to a select group of performers determined by audition only. The color guard performs with the marching band in the fall and competes independently as a winter guard in the spring in the FFCC and WGI circuits. As a co-curricular performance activity, attendance is required for rehearsals and performances beyond regular school hours. Members of this ensemble will combine with other classes to form the marching band in the fall. These students will be expected to attend summer rehearsals and band camp as listed above in the band course descriptions and there will be a camp over winter break for winter guard. Fundraising opportunities exist within the band program to assist color guard/ winter guard students with associated fees.

1302360IO	INTERMEDIATE ORCHESTRA 09 (1 credit)
1302370IO	INTERMEDIATE ORCHESTRA 10 (1 credit)
1302380IO	INTERMEDIATE ORCHESTRA 11 (1 credit)
1302390IO	INTERMEDIATE ORCHESTRA 12 (1 credit)

This class is open to all string players at Lake Howell High School. This ensemble comprised of violins, violas, cellos and basses will represent Lake Howell throughout the community and participate in Florida Orchestra Association events. A varied degree of experience and training is necessary to participate. See Mr. Serrano for details.

Advanced Orchestra (audition required):

1302450	ADVANCED ORCHESTRA 09 HONORS
1302490	ADVANCED ORCHESTRA 10 HONORS
1302400	ADVANCED ORCHESTRA 11 HONORS
1302410	ADVANCED ORCHESTRA 12 HONORS

CHORAL PROGRAM

The Lake Howell High School Choral Program is comprised of five performance ensembles. Each group participates in multiple performances throughout the school year. Singers will receive instruction in vocal technique, musicianship and performance skills with a diverse selection of music. All singers will have the opportunity to participate in Florida Vocal Association competitions and the Disney Candlelight Processional.

1303300	SERENADE 09 (1 credit)
1303310	SERENADE 10 (1 credit)
1303320	SERENADE 11 (1 credit)
1303330	SERENADE 12 (1 credit)

This chorus is for all girls who are in the chorus for the first time in high school. All singers will learn to read music, sing in multiple parts and perform a varied repertoire of music. No experience is required for this course. Female chorus students who do not audition for the advanced groups will be automatically placed in this choir. **Students must be available for after school rehearsals.**

1303400	MELODIA/WINGS 09
1303410	MELODIA/WINGS 10
1303420	MELODIA/WINGS 11
1303430	MELODIA/WINGS 12

This is a combination of Wings Show Choir and Melodia Level 2 chorus. It is designed to meet the needs of a more mature performer with dance experience. This class will study a varied repertoire from the show choir genre including jazz, Broadway, and many others. Healthy singing, sound musicianship and precision dancing are the goals of this ensemble. **Students must be available for after school rehearsals.**

1303360	MAN GROUP 09 (1 credit)
1303370	MAN GROUP 10 (1 credit)
1303380	MAN GROUP 11 (1 credit)
1303390	MAN GROUP 12 HONORS (1 credit)

This choir is for all the guys of Lake Howell. No experience necessary; this ensemble sings all styles of music and performs throughout the year. All singers will learn to read music, sing in multiple parts and perform a varied repertoire of music. This group performs a varied repertoire of music. Juniors and seniors may audition for **honors credit**. See Mr. Serrano for extra requirements.

1305500V	SILVER LINING 09 HONORS (1 credit)
1303470V	SILVER LINING 10 HONORS (1 credit)
1303340V	SILVER LINING 11 HONORS (1 credit)
1303350V	SILVER LINING 12 HONORS (1 credit)

This audition only group is comprised of advanced men and women interested in performing at the highest level. It requires a solid knowledge of sight singing, musicianship and part singing. This group performs a varied repertoire of music from the Renaissance to present day in several different languages. Students must be available for after school rehearsals. Seniors may audition for honors credit. See Mr. Serrano for extra requirements. A minimum one year of high school choral experience is required.

1300330 AP MUSIC THEORY (Grades 11-12) (1 credit)

This course is for highly motivated students who wish to study the inner workings of music. This course discusses in depth the contrapuntal stylings and writings of music pre-1750. The course material covers that of both college-level music theory and college-level ear training. Instruction in the structure of music composition through written analysis and performance with emphasis placed on aural development, harmonic notation and analysis. Recommended skills include an ability to read music and match pitch.

THEATRE PROGRAM

0400300 EMBERS (Introduction to Drama) (0.5 credit) *This class is open to all students and an audition is not required.*

Through improvisation, simple scripted scenes, performance projects, and/or practical application, students learn to identify what makes performances believable and explore the tools used to create, articulate, and execute them. Upon completion of this course, students have a strong foundation for future scene work, script analysis, and play production. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

0400310 EVOLUTION 09 (1 credit) *Audition and Teacher Recommendation is required.*

0400320 EVOLUTION 10 (1 credit) *Audition and Teacher Recommendation is required.*

0400350 EVOLUTION 11 (1 credit) *Audition and Teacher Recommendation is required.*

0400360 EVOLUTION 12 (1 credit) *Audition and Teacher Recommendation is required.*

0400500 EVOLUTION STAGE MANAGEMENT AND DIRECTION I (1 credit)

Students examine the various dimensions of characters through analysis, discussion, and classroom performance, working with scripts from a variety of time periods and cultures. They learn to break down a scene from a character's point of view and learn to sustain a character and build the relationship between actor and audience. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

0400370 RISING PHOENIX 10 (1 credit) *Audition and Teacher Recommendation is required.*

0400380 RISING PHOENIX 11 (1 credit) *Audition and Teacher Recommendation is required.*

0400390 RISING PHOENIX 12 (1 credit) *Audition and Teacher Recommendation is required.*

0400510 RISING PHOENIX STAGE MANAGEMENT AND DIRECTION II (1 credit)

Students focus on development of significant acting skills and knowledge of the actor's literature, compiling a working actor's portfolio for exhibition and/or the interview process. They research potential job opportunities in the film, television, game animation, and theatre industries, as well as scholarships and opportunities available at the university level. An inquiry-based capstone project may be required. Public performances may serve as a culmination of specific instructional goals. Students may be required to participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

0400330 CONSERVATORY 10 HONORS (1 credit) *Audition and Teacher Recommendation is required.*

0400340 CONSERVATORY 11 HONORS (1 credit) *Audition and Teacher Recommendation is required.*

0400400 CONSERVATORY 12 HONORS (1 credit) *Audition and Teacher Recommendation is required.*

Students create characters for theatrical and film/video productions through scene, character, and technical analysis. Through improvisation, script writing, and aesthetic creation and collaboration, actors refine their working knowledge and independent thought, articulating and justifying their creative choices. Students' "critical eye" becomes more developed and significant mastery of artistic choices becomes evident. An inquiry-based capstone project may be required. Public performance may serve as a culmination of specific instructional goals. Students may be required to participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

DANCE

Special Note for All Dance Courses: Two or more forms, genres, styles, or techniques of dance (e.g., modern, ballet, jazz, folk, tap, hip-hop) will be covered. This course will require students to participate in extra rehearsals and performances beyond the school day.

0300310 DANCE 1 (Grades 9 - 12) (1 credit)

This course is designed for those having no prior dance instruction. Students will learn foundational skills in two or more dance styles. Their development of fundamental dance technique is enriched and enlivened through study of works by a variety of diverse artists, developing genre-specific movement vocabulary and dance terminology, and building knowledge and skills related to somatic practices, dance composition, analysis of effort and outcomes, dance history and culture, collaborative work, and rehearsal and performance protocols.

0300320 DANCE 2 (Grades 9 - 12) (1 credit) *prerequisite: Dance 1 or Teacher Recommendation*

Students build on previously acquired knowledge and fundamental technical skills in two or more dance forms, focusing on developing the aesthetic quality of movement in the ensemble and as an individual.

0300380 DANCE 3 (Grades 10 - 12) (1 credit) *prerequisite: Dance 2 or Teacher Recommendation*

This course is designed for dancers who have mastered the basics in two or more dance forms. Students will build technical and creative skills with a focus on developing the aesthetic quality of movement in the ensemble and as an individual.

0300390 DANCE 4 HONORS (Grades 10 - 12) (1 credit) *prerequisite: Dance 3 or Teacher Recommendation*

Students build on skills learned in previous dance classes to improve their performance in two or more dance styles. During the class, students perform sequences of increasing complexity to advance their technical skills.

0300330 DYNASTY CHOREO 09 HONORS (1 credit) *prerequisite: audition; co-requisite: Dynasty Dance Training Class*

0300334 DYNASTY CHOREO 10 HONORS (1 credit) *prerequisite: audition; co-requisite: Dynasty Dance Training Class*

0300420 DYNASTY CHOREO 11 HONORS (1 credit) *prerequisite: audition; co-requisite: Dynasty Dance Training Class*

0300430 DYNASTY CHOREO 12 HONORS (1 credit) *prerequisite: audition; co-requisite: Dynasty Dance Training Class*

Students explore key concepts of dance making with a focus on improvisation, composition, and choreographic processes and principles. Students study the works and creative techniques of highly respected choreographers in varied performance genres. They also examine the social, political, and cultural forces that influenced significant or exemplary works, and consider the innovations that came out of them. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, purchase) appropriate footwear and/or dance attire from an outside source.

0300340 DYNASTY TRAINING 09 (1 credit) *prerequisite: audition; co-requisite: Dynasty Dance Choreo Class*

0300350 DYNASTY TRAINING 10 (1 credit) *prerequisite: audition; co-requisite: Dynasty Dance Choreo Class*

0300360 DYNASTY TRAINING 11 (1 credit) *prerequisite: audition; co-requisite: Dynasty Dance Choreo Class*

0300370 DYNASTY TRAINING 12 (1 credit) *prerequisite: audition; co-requisite: Dynasty Dance Choreo Class*

Students in the year-long course will have the opportunity to advance in technical skill and will have performance opportunities throughout the year. Dynasty Dancers train, perform, attend competitions, and are LHS ambassadors for dance and the performing arts.

VISUAL ARTS PROGRAM

0101355 2-D ART (Grades 9-12) (0.5 credit)

Art 2D is an introductory course where students will explore basic drawing, 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 to broaden personal viewpoints.

0104340 DRAWING 1 (1 credit)

0104370 PAINTING 1 (1 credit)

Prerequisite: Art 2D

These courses are designed for students who want to continue to develop and enhance skills and techniques learned in Art 2D. They will be introduced to more challenging projects which will reinforce and expand the drawing and painting skills taught in Art 2D. The course integrates knowledge of art history to broaden personal viewpoints.

0101365 3-D ART (0.5 credit)

Art 3D will utilize students' basic knowledge of drawing and painting and combine it with the principles and elements of design to transform their ideas into sculptures using a variety of media. This course integrates art history to broaden personal viewpoints.

0102300 CERAMICS I (1 credit)

Prerequisite: 3-D Art

This course is an introductory level course that involves hand building and pottery wheel work in clay. Students will explore traditional techniques of building such as pinching, coiling, slab methods of hand building as well as pottery wheel techniques.

0111330 SCULPTURE HONORS (1 credit)

Prerequisite: 3-D Art or Teacher Recommendation

In this class, students experiment with processes, techniques and media for sculpture. Some examples of media are clay, wood, plaster, wire, papier-mâché and light. Students in the sculpture studio will focus on completing a portfolio consisting of eight projects minimum, using the art criticism process to evaluate, explain, and measure artistic growth in personal works. This course incorporates hands-on activities and consumption of art materials.

0104300 AP DRAWING (1 credit)

0109350 AP ART 2D (1 credit)

0109355 AP 2D INNOVATION (1 credit)

0109360 AP ART 3D (1 credit)

AP Art 2D, AP Drawing (or) AP 2D Innovation prerequisite: Art 2D, Draw/Paint & Teacher Recommendation

AP Art 3D prerequisite: Art 3D & Ceramics & Teacher Recommendation

These courses are designed for the highly motivated student who plans to take art at the college level. Students may take either AP Drawing Portfolio or AP 2-Dimensional Design in the 11th or 12th grade. Students may take only one AP Studio Art class per year. The work in an AP art class requires significantly more commitment and accomplishment than the typical high school art program. Each portfolio is divided into three sections, which require the student to show a fundamental competence and range of understanding in visual methods.

0108310 PHOTOGRAPHY 1 (Grades 9-12) (1 credit)

0108320 PHOTOGRAPHY 2 (Grades 10-12) (1 credit)

In this course students will become familiar with the basic mechanics of a camera and will use technological tools to create art with varying effects and outcomes. ***Students in Photography 2 will prepare to take certification exams in Adobe software applications.***

0100300 AP ART HISTORY (Grades 10-12) (1 credit)

This course will have students examine and analyze major forms of artistic expression from a variety of cultures from ancient times to the present. This course also emphasizes understanding how and why works of art function in context, considering issues as patronage, gender and the functions and effects of works of art. Students will investigate how imagery has shaped our perceptions and behavior throughout time, providing insight into the past and into our own age and culture.

WORLD LANGUAGES

0701320 FRENCH I (1 credit)

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

0701330 FRENCH II (1 credit)

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.

0701340 FRENCH III HONORS (1 credit)

This course is designed for students to master and build upon the skills acquired in French II. Students will participate in progressively more challenging conversations and strive to communicate successfully in basic survival situations.

0701380 AP FRENCH LANGUAGE & CULTURE (1 credit)

Students will use authentic French materials and sources to develop language skills in multiple modes of communication, including two-way interactions in both writing and speaking, interpretation of audio, audiovisual, and print materials, and oral and written presentation of information and ideas. This course will prepare the student for the AP French Language and Culture College Board exam in May. Based on the result of the Advanced Placement Exam, college credit may be awarded by participating colleges and universities.

0708340 SPANISH I (1 credit)

Prerequisite: *This class is for students who have not taken a Spanish course or took the Beginning/Intermediate Spanish course in middle school. Spanish and heritage speakers should not register for Spanish I.*

Spanish I introduces students to the target language and its culture. The students will develop communicative skills in all three modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading, writing and listening is also included as well as culture, connections, comparisons, and communities.

0709300 SPANISH I FOR SPANISH SPEAKERS (1 credit)

The purpose of this course is to enable students whose heritage language is Spanish to develop, maintain, and enhance proficiency in their heritage language by reinforcing and acquiring skills in listening, speaking, reading, and writing, including the fundamentals of Spanish grammar. Language Arts Standards are also included in this course to enable students to become literate in the Spanish language and gain a better understanding of the nature of their own language as well as other languages to be acquired.

0708350 SPANISH II (1 credit)

Prerequisite: *Spanish I or a heritage speaker who understands Spanish but needs to improve their writing skill can register for this class.*

Spanish II reinforces the fundamental skills acquired by the students in Spanish I. This course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Spanish I. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued.

0708360 *SPANISH III HONORS (1 credit)

Prerequisite: *Spanish II and/or other Spanish courses (Spanish for Spanish Speakers I or II). Native and heritage speakers who need to improve reading and writing skills can register for this class.*

Spanish III provides mastery and expansion of skills acquired by the students in Spanish II. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities that are important to the everyday life of the target language-speaking people. This class will prepare students for AP Spanish Language and Culture class.

0708400 AP SPANISH LANGUAGE (1 credit)

Prerequisite: *This class is for students in grades 10-12 who have received credit in Spanish III or native and heritage Spanish speakers who can read and write in Spanish.*

AP Spanish Language and Culture course provides advanced high school students with a rich and rigorous opportunity to study language and culture of the Spanish-speaking world. This course is conducted exclusively in Spanish and takes a holistic approach to language proficiency. Students will learn language structures in context and use them to convey meaning. Through the three modes of communication, students demonstrate an understanding of the culture(s), incorporate interdisciplinary topics (connections), make comparisons between the native language and the target language and between cultures (comparisons), and use the target language in real life settings (communities). Based on the result of the Advanced Placement Exam, college credit may be awarded by participating colleges and universities.

0708410 AP SPANISH LITERATURE (1 credit)

Prerequisite: *This class is for students in grades 10-12 grade who have received credit in AP Spanish Language and Culture.*

This course is a vehicle for developing high-level skills in Spanish. It is designed to motivate and challenge the college-bound student to understand lectures in Spanish and to participate in discussions on literary topics. The student will gain an understanding of a variety of Spanish and Latin American authors and poets from the Medieval Period, the Golden Age, and the Nineteenth and Twentieth Centuries. The course is equivalent to the third year in college level. This course is offered to English-speaking students and native speakers of Spanish. Based on the result of the Advanced Placement Exam, college credit may be awarded by participating colleges and universities.

0717300 AMERICAN SIGN LANGUAGE I (1 credit)

ASL I introduces students to the target language and its culture. The students will develop communicative skills in all three modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the target language with introductions to culture, connections, comparisons, and communities. Due to the visual language aspect of ASL, signing and presentations in the front of the classroom with classmates watching is mandatory.

0717310 AMERICAN SIGN LANGUAGE II (1 credit)

Prerequisite: *ASL I or students who are heritage speakers and understand ASL*

ASL II reinforces the fundamentals skills acquired by the students in ASL I. The course develops increased signing and receptive skills as well as cultural awareness. Continued emphasis is placed on proficient communication in the target language and growing understanding of deaf culture, connections, comparisons, and communities. Due to the visual language aspect of ASL, signing and presentations in the front of the classroom with classmates watching is mandatory.

0717312 AMERICAN SIGN LANGUAGE III HONORS (1 credit)

Prerequisite: *ASL II*

ASL III provides mastery and expansion of skills acquired by students in ASL II. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills. Students will experience voice interpreting by assisting in the senior showcase at the end of the year. This class will prepare students for ASL IV along with taking ASL at the college level. Due to the visual language aspect of ASL, signing and presentations in the front of the classroom with classmates watching is mandatory.

0717314 AMERICAN SIGN LANGUAGE IV HONORS (1 credit)

Prerequisite: *ASL III*

American Sign Language IV is an Honors Level course and expands the skills acquired by the students in American Sign Language III. It is a study of cultural aspects of communication in ASL with emphasis on ASL advanced language structures and idiomatic expressions, literature, conversational skills and fluency. Media selections are varied and taken from authentic target language literary work designed to help students build receptive skills, learn vocabulary through context, and develop strategies for comparison. Both expressive and receptive skills are stressed. Interpreting strategies will be practiced. Nonverbal communication is REQUIRED. Due to the visual language aspect of ASL, signing and presentations in the front of the classroom with classmates watching is mandatory.

0717316 AMERICAN SIGN LANGUAGE V HONORS (1 credit)

Prerequisite: *ASL IV*

American Sign Language 5 expands the skills acquired by the students in American Sign Language 4. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational and interpretive skills. There is additional growth in vocabulary for real-life, authentic purposes. Media selections are varied and taken from authentic target language works.

DUAL ENROLLMENT

As per the Seminole County Public Schools Student Progression Plan, "Students enrolled in an approved dual enrollment course are exempt from the payment of registration, tuition, and laboratory fees for **no more than nine credit hours per semester**".

Courses listed below are offered on the Lake Howell High School Campus.

**SLS1301C LIFE & CAREER PLANNING (Grades 11-12)
(3 college credit hours/0.5 high school credit)**

Prerequisite: *Minimum 2.50 unweighted GPA*

Life/Career Planning is a course designed to assist students with the lifelong process of career development. Students will participate in a variety of experiences as a group and individually. The coursework is designed to help students identify and examine their interests, personality, values, self-esteem, critical thinking skills and to use this increased self-awareness to make decisions about majors and careers. This course will emphasize that making an occupational career choice is a never-ending process subject to and affected by one's personal maturity and environmental changes. Life/Career Planning is a three-credit course that applies as an elective towards the Associate in Arts degree.

**SLS1101 COLLEGE SUCCESS (Grades 11-12)
(3 college credit hours/0.5 high school credit)**

Prerequisite: *Minimum 2.50 unweighted GPA*

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

EXCEPTIONAL STUDENT EDUCATION

The Exceptional Student Education Department is comprised of classes in the following divisions: Autism Spectrum Disorder, (ASD), Emotionally Behavior Disorder (EBD), Mild/Moderate Intellectual Disability (MID), Specific Learning Disabled (SLD), Gifted, and Speech/Language Therapy. In order to take the courses listed below, students must have a current Individual Educational Plan (IEP) that specifies the need for the course and is included as a service on the IEP. All courses listed here count toward standard high school diploma requirements.

STANDARD DIPLOMA OPTIONS ARE THE SAME AS ANY OTHER STUDENT REQUIREMENTS

ACCESS DIRECT INSTRUCTION COURSES

ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	PE/HEALTH
English 1	Liberal Arts	Integrated Science	World History	HOPE
English 2	Algebra 1	Biology	U.S. History	HOPE
English 3	Geometry	Physical Science	U.S. Government	Personal Fitness
English 4	Algebra 2	Earth Space Science	Economics	Personal Fitness
		Chemistry		

7963070 SOCIAL PERSONAL SKILLS (1 credit) (Grades 9-12)

The content of this course will provide students with knowledge of conflict resolution, making proper choices, and appropriate classroom behavior.

7963080 LEARNING STRATEGIES (1 credit) (Grades 9-12)

Learning strategies is designed to promote skills that support student learning, using mainstream curricular materials as appropriate. The teacher will help the student identify and implement strategies to meet their individualized goals. Student progress toward goal attainment will be closely monitored. The Learning Strategies teacher will work corroboratively with students, classroom teachers, Student Services, and other support staff.

7921021 ACCESS PERSONAL FINANCIAL LITERACY (1 credit) (Grade 9-12)

This grade 9-12 course consists of the following content area and literacy strands: Economics, Financial Literacy, Mathematics, Languages Arts for Literacy in History/Social Studies and Speaking and Listening. Basic economic concepts of scarcity, choice, opportunity cost, and cost/benefit analysis are interwoven throughout the standards and objectives. Emphasis will be placed on economic decision-making and real-life applications using real data.

The primary content for the course pertains to the study of learning the ideas, concepts, knowledge and skills that will enable students to implement beneficial personal decision-making choices; to become wise, successful, and knowledgeable consumers, savers, investors, users of credit and money managers; and to be participating members of a global workforce and society.

Navy Junior Reserve Officer Training Corps/Naval Science

JROTC is a Federal program sponsored by the United States Armed Forces in high schools across the United States. The program was originally created as part of the National Defense Act of 1916. It prepares high school students for leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens. It is a stimulus for promoting graduation from high school, and it provides instruction and rewarding opportunities that will benefit the student, community, and nation. NJROTC teaches cadets the kind of self-discipline, self-confidence, and leadership skills that can help them successfully meet the challenges of adulthood. Classes focus on leadership, drill instruction and ceremonies, military customs, uniform inspections, physical training, and military history. Classroom instruction is enhanced through the year by community service activities, drill competition, field trips, marksmanship training, and other activities. Cadets are required to wear regulation uniform weekly and conform to military grooming standards. Uniforms are loaned free of charge and provided by the US Navy. **Completion of two courses with a grade of C or better, in this NJROTC class, in which drill and physical training are significant components, will satisfy one credit of physical education (not Personal Fitness) and one credit of practice arts.**

1802300 NAVAL SCIENCE I (1 credit)

Introduction to leadership, government, maritime geography, naval history, basic seamanship, military drill, and physical training.

1802310 NAVAL SCIENCE II (1 credit)

Advanced leadership principles, citizenship, naval history, oceanography, ship construction, military drill, and physical training.

1802320 NAVAL SCIENCE III (1 credit)

Applied leadership, military justice, astronomy, oceanography, naval history, military drill, and physical training.

1802330 NAVAL SCIENCE IV (1 credit)

Practical leadership course where the students are involved with teaching other students, military drill, customs, uniform requirements, etc. Students are encouraged to assist in the operation of the NJROTC program.

1803300 LEADERSHIP SEMINAR 1 (1 credit)

1803310 LEADERSHIP SEMINAR 2 (1 credit)

Following two or more completed NJROTC courses, students develop leadership skills via practical hands-on projects under Naval Science Instructor supervision. This course may be taken concurrently with Naval Science 3 or 4.

Aeronautical Sciences

Embry Riddle Aeronautical University and the affiliated Gaetz Aerospace Institute offer dual enrollment courses to our NJROTC cadets. Courses focus on unmanned aircraft systems and manned flight. Students can earn industry certifications involving UAS (drone) safety and imaging. The certifications, which normally cost several thousand dollars for non-students, are offered free of charge as a part of dual enrollment. The premise of the GAI is simple: the dual/concurrent enrollment model introduces high school students to rigorous STEM-related courses that prepare cadets for college while providing them with a clear pathway to college graduation and jobs in the industries. GAI uses aviation, aerospace, and engineering to capture students' imaginations and motivate them toward their studies. Students are officially enrolled at ERAU in courses that will reflect on all college transcripts. Courses, materials, and certifications are offered at no cost to the student.

Year One

ASC1200 PRINCIPLES OF AERONAUTICAL SCIENCE (0.5 high school credit and 3.0 college credit)

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

ASC2200 UNMANNED AIRCRAFT SYSTEMS (0.5 high school credit and 3.0 college credit)

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

ASC1200

Year Two

ASC1210 PRIVATE PILOT OPERATIONS (0.5 high school credit and 5.0 college credit)

This course develops the aeronautical knowledge required for certification as a Private Pilot with an Airplane Single Engine Land rating. Topics include: regulations, safety, pre-solo operations, cross-country planning, airspace, chart use, communications, weather, performance, weight and balance, aerodynamics, and decision-making.

PHYSICAL EDUCATION

All physical education students must wear PE uniform shirt with athletic shorts and tennis shoes with laces. Students are required to secure all personal items during the class period. Lake Howell is not responsible for items lost or stolen due to improper storage.

Personal Fitness/Athletic Participation

The 1998 Legislature amended Section 232.246, F.S., providing that participation in an interscholastic sport, whether at the junior varsity, or varsity level, for two full seasons and successful completion (C or better) on the personal fitness competency test, shall satisfy the state graduation requirement for Personal Fitness (Course # 1501300). The student may only take the competency test once. The definition of interscholastic extracurricular sports includes all such sports sanctioned by the Florida High School Athletic Association, Inc. for state championship play. If a student satisfies the Personal Fitness requirement through interscholastic extracurricular sports participation, Course # 1500430 shall appear on the student's transcript for "0" credit. Satisfying the Personal Fitness course requirement does not lessen the number of credits required for graduation. See your Guidance Counselor to complete the proper paperwork if you wish to take this option.

1501300 PERSONAL FITNESS (0.5 credit)

This course is designed to provide students with opportunities to develop an individual optimal level of physical fitness and acquire knowledge of the physical fitness concept. ***This course is required for graduation.***

1504460 SWIMMING 1 (For student swimmers that have had no formal swim instruction) (0.5 credit)

1504470 SWIMMING 2 (For student swimmers that have had formal swim instruction) (0.5 credit)

Swimming provides students the opportunity to acquire strokes and safety practices while maintaining and improving personal fitness.

1501390 COMPREHENSIVE FITNESS (0.5 credit)

This course will enable students to develop an understanding of fitness concepts while participating in a wide variety of team sports and fitness activities.

1502410 INDIVIDUAL & DUAL SPORTS I (0.5 credit)

1502420 INDIVIDUAL & DUAL SPORTS II (0.5 credit)

1502430 INDIVIDUAL & DUAL SPORTS III (0.5 credit)

Individual and Dual Sports classes are designed to provide students with opportunities to acquire the knowledge of strategies in individual and dual sports play and develop skill in selected individual and dual sports while maintaining and/or improving their personal fitness. Examples include archery, badminton, racquetball, horseshoes, pickleball and bocce ball.

1503350 TEAM SPORTS I (0.5 credit)

1503360 TEAM SPORTS II (0.5 credit)

This course 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. Examples include volleyball, basketball, flag football, soccer, softball, and kickball.

1503320 SOCCER (0.5 credit)

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

1505500 VOLLEYBALL 1 (0.5 credit)

1505510 VOLLEYBALL 2 (0.5 credit)

1505520 VOLLEYBALL 3 (0.5 credit)

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

1502460 SELF DEFENSE (0.5 credit)

This course is designed to provide basic instruction in practical self-defense such as: defense maneuvers, personal safety, legal issues, in-home and public safety, releases, escapes, kicks, blocks, body targets, conditioning, coordination and self-confidence. Designed for little or no self-defense experience.

- 1501340 BEGINNING WEIGHT TRAINING (0.5 credit)**
- 1501350 INTERMEDIATE WEIGHT TRAINING (0.5 credit)**
- 1501360 ADVANCED WEIGHT TRAINING (0.5 credit)**
- 1501410 BEGINNING POWER WEIGHT TRAINING (0.5 credit)**

This course sequence is designed to provide opportunities to acquire basic knowledge and skills in weight training. It also adds to using those skills in the pursuit of physical fitness activities, improves muscular strength and enhances body image. Students must lift weights for participation.

1502490 CARE and PREVENTION OF ATHLETIC INJURIES (0.5 credit)

This is an introductory course of methods and theories involved with prevention, care and rehabilitation of athletic injuries. Laboratory activities include practical application of the concepts involved. Students will need to provide athletic tape and underwrap.

0800320 *FIRST AID and SAFETY (0.5 elective credit)

This course provides a basic overview of the causes and preventions of unintentional injuries, appropriate emergency responses, and crisis response planning. Safety education includes cardiopulmonary resuscitation (CPR) and the use of an automatic defibrillator (AED), obstructed airway, and injury prevention. ***This course DOES NOT count toward the physical education graduation requirement.**



SERVICE CURRICULUM

In addition to the elective courses offered by each department, the following courses are offered to students. See your school counselor for specific questions regarding your eligibility.

LEADERSHIP SKILLS DEVELOPMENT (Student Government)

This course is open to any elected student activity officer. Consideration will be given to major clubs' presidents. Leadership styles and techniques will be taught. Course can be taken with a Pass/Fail option. Student must elect this option at the start of school.

2400300	Year 1 (1 credit)
0500510	Year 2 (1 credit)
0500520	Year 3 (1 credit)
0500530	Year 4 (1 credit)

24003000C	LATINOS IN ACTION (1 credit) – Year 1
05005100C	LATINOS IN ACTION (1 credit) – Year 2
05005200C	LATINOS IN ACTION (1 credit) – Year 3

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

05005000L B.R.O.S. - BILINGUAL RESOURCE OPPORTUNITY for STUDENTS (1 credit)

This course is designed for bilingual students who will support English Language Learners (ELLs) with their acclimation to American culture and overall academic expectations. Students enrolled in this course will develop and apply knowledge and skilled practices in the areas of academic engagement, communication, social barriers, leadership, and problem-solving for diverse learners.

21043500G GUIDED WORK - (Grade 12) (0.5 credit) **21043600G**

The purpose of this course is to provide students with practical work experience. Students will apply knowledge and skills learned in the classroom to actual school based work situations. Students must be able to follow specific instructions as well as work independently. This course is open to any senior student with a 3.5 *unweighted academic* G.P.A.

1400300 MEN OF EXCELLENCE - (Grades 9-12) (0.5 credit) **1400310**

This course will address a number of life skills and strategies for success, with emphasis on attaining academic and personal goals, as well as, future professional goals in a diverse society. Topics covered include creative and realistic goal setting, academic and life management, cultural learning styles, college and community resources, library and Internet use, organization and time management, and techniques to reduce math and science anxiety; evaluation and application of academic study methods to achieve subject matter mastery. Development of critical thinking skills, and application of reading, writing, note taking and test taking methods to improve personal strategies. Exploration of personal lifestyle and health factors, including the causes and management of stress, as it relates to academic success. Assessment of academic and career goals, selection of majors, and development of education plans. Topics from developmental psychology, learning theory and personality theory will be presented as a foundation for the course; these topics will be enhanced by using different media forms.

1400340 PEER INCLUSION TEAM - PIT CREW (1 credit)

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

VOLUNTEER PUBLIC SERVICES - (0.5 credit)

This course will develop an appreciation of the concept of community service. The curriculum will include identifying a social problem, developing a plan to address the problem and completing 75 hours of related community service. This course is in addition to your seven credits. **See your counselor for details.**



ePathways is customized learning that results in our students being prepared for 21st century globally competitive work.

Seminole County Public Schools offers a variety of choice options to empower students to **customize their educational pathway in preparation for college, careers, and citizenship.** These options include Magnet Schools/Programs, Programs of Emphasis, Pre-Apprenticeship Training, Internships, Virtual School, After School Courses, and Computer Science Pathways. Each option has a unique application process and eligibility requirements. **Additionally, each high school's curriculum guide includes available Career & Technical Education programs—most of these options include opportunities for industry certification and/or college credit.**

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



MAGNET SCHOOLS/PROGRAMS

Magnet schools & magnet programs are high quality and innovative educational programs that specialize in a particular theme and are open to all Seminole County students who meet the eligibility requirements.

ELIGIBILITY: Acceptance into a magnet school/magnet program for students applying for ninth grade occurs via a random selection (lottery) process. Students must apply within the on-time application period to be included in the random selection process. Acceptance for students applying for grade ten and above is contingent upon a school based administrative review of their transcripts.

TRANSPORTATION: Transportation is provided to all students who live more than 2 miles from the school/program.

FOR MORE INFORMATION: Contact the Student Assignment & Program Access Department by email (SCPSChoices@scps.us), phone (407-320-0329), or view the department website (<https://www.scps.k12.fl.us/district/departments/assignment-access/>) for all the latest information.

CROOMS ACADEMY OF INFORMATION TECHNOLOGY

- Associate in Arts Degree Pathway allows students to earn a degree from Seminole State College, at no cost to the family.
- Information technology industry certification opportunities allow students to earn career credentials which make them job-ready upon graduation.
- Annual TechFest provides students opportunities to interact with business leaders and showcase their skills and credentials to an authentic audience.





ACADEMY OF HEALTH CAREERS

Seminole High School

- Health career industry certification opportunities in either a patient care or a biomedical research pathway allow students to earn career credentials which make them job-ready upon graduation.
- Authentic lab spaces on campus allow students to develop and practice clinical skills.
- Career exploration opportunities are available through job shadowing and clinical experiences in local healthcare facilities.



ACADEMY OF ENGINEERING

Lyman High School

- Lyman Academy of Engineering offers industry certification testing for all students which can lead to additional opportunities for post-secondary employment.
- Renowned Project Lead the Way (PLTW) curriculum emphasizes critical thinking, creativity, innovation, and real-world problem solving.
- Students choose to explore an area of interest including aerospace engineering, digital electronics, civil engineering and architecture, and environmental sustainability.



INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAM

Seminole High School

Winter Springs High School

- Taught by IB trained faculty, the international college preparatory curriculum allows students to explore the world from a variety of perspectives.
- The IB Diploma Program has earned a reputation for rigorous assessment, helping IB diploma holders access the world's leading universities and programs.
- The IB Diploma Program is ideal for knowledgeable and caring young people who are motivated to grow as individuals through significant academic challenge.
- Students applying for the IB Program who are zoned to Lake Brantley, Lake Mary, Lyman, & Seminole may only apply to Seminole High. Students applying for the IB Program who are zoned to Hagerty, Lake Howell, Oviedo, & Winter Springs High may only apply to attend Winter Springs High.





PROGRAMS OF EMPHASIS

A Program of Emphasis provides a structured study strand centered on a career pathway. Students who reside in Seminole County and are zoned for the school may select the Program of Emphasis via the course scheduling process. A limited number of seats in some of the programs listed in this guide may be available for students who reside in Seminole County but are not zoned to the school.

Acceptance for out-of-zone students to a Program of Emphasis is by application only. By signing the application, parents and students agree to the commitment statements and understandings in the application.

ELIGIBILITY: Students must reside in Seminole County and submit a Program of Emphasis Transfer Application if they are applying as out-of-zone students. If more ninth grade applications are received than seats available, a random selection (lottery) will be conducted. Acceptance for students applying for grade ten and above is contingent upon a school based administrative review of their transcripts. Eligibility requirements, timelines, and the application process are described in detail on the Seminole County Public Schools Student Assignment & Program Access website <https://www.scps.k12.fl.us/district/departments/assignment-access/>. Programs designated with an * are not available as choice options and are currently only for students zoned to attend that school based upon their residence.

TRANSPORTATION: Transportation is NOT provided for Program of Emphasis transfers. Students may seek assistance for transportation if it is available through the Transportation Department's *Ticket to Ride* program. Details about this program may be found on the Student Assignment & Program Access website by clicking on the "Transportation" link.

FOR MORE INFORMATION: In-zone students should contact their school counselor, out-of-zone students may contact the Student Assignment & Program Access Department by email (SCPSChoices@scps.us), phone (407-320-0329), or view the department website (<https://www.scps.k12.fl.us/district/departments/assignment-access/>) for all the latest information.

Hagerty High School

MODELING, SIMULATION AND ANALYSIS

In the Modeling, Simulation, & Analysis program students learn to navigate and create detailed models and simulations. This pathway has the potential to lead to high-paying careers in diverse fields related to modeling/simulation technologies and program management. This program includes industry certification.

Lake Brantley High School

ACADEMY OF FINANCE

The Finance Academy offers a curriculum comprised of finance and business technology including Accounting Applications and Personal Financial Planning. This program includes industry certification.



CREATIVE DESIGN AND ENTERTAINMENT

Central Florida is a hub for art and design entertainment, providing many job opportunities for those with a creative passion. Students have the opportunity to develop their artistic and digital skill set while preparing for a future career. Students can choose from multiple program pathways and have the opportunity to earn industry certification.

Lake Howell High School

BUSINESS & ENTREPRENEURSHIP

The Business & Entrepreneurship program curriculum introduces the broad spectrum of business, industry, and small business initiatives. Students will develop the fundamental knowledge and skills necessary to start and operate a business. This program includes opportunities to earn dual enrollment credit or an Associate in Arts degree in Business from Seminole State College while simultaneously completing a high school diploma. This program also includes industry certification.

CULINARY ARTS *

The Culinary Arts program allows students to explore all facets of the culinary field, including entrepreneurship, in an industry-standard commercial kitchen. This program includes industry certification.

CYBERSECURITY

The Cybersecurity program curriculum introduces and prepares students for careers in computer science and cyber-defense in multiple industries. This program includes industry certification.

Lake Mary High School

ADVANCED MANUFACTURING & INNOVATION

The Advanced Manufacturing & Innovation program gives students the opportunity to design and prototype innovative products using high-tech, industry standard equipment. This program includes industry certification.

FORENSIC SCIENCE & LEGAL STUDIES

This Program of Emphasis includes two pathways: Forensic Science uses groundbreaking modern scientific technology in crime scene investigation, and Legal Studies teaches the foundations of our legal system. This program includes opportunities to earn dual enrollment credit.

Lyman High School

NEW FOR 2020-21! ACADEMY OF BUILDING & DESIGN

Construction workforce demands in Central Florida continue to rise and career opportunities abound! This academy gives students the opportunity to explore careers in General Building Trades, Electrical, HVAC, and Welding. Students will follow a progression of courses aligned with a chosen trade. In addition to industry specific course content, students will have the opportunity to take and earn industry certifications that will help them obtain post-secondary employment. This Program of Emphasis will be housed in a brand new state-of-the-art facility, the Career Innovation Center.



Oviedo High School

BIOSCIENCE TECHNOLOGY

The Bioscience Technology program prepares students to be successful in career fields of applied biology in various industries. The courses are designed to be predominately laboratory based with a focus on utilizing bioscience equipment and practicing lab technician skills. This program includes industry certification.

Seminole High School

AVIATION ACADEMY

The Aviation Academy is a state-of-the-art program designed to prepare students for employment or advanced training in the aviation industry. This program gives students relevant experience with tools, flight training materials, simulators, and actual aircraft: a Cessna 150 and Robinson R22HP helicopter. There are two programs in the academy: Aviation Maintenance and Avionics. This program includes industry certification.

PROBLEM SOLVING INCUBATOR (PSI HIGH)

PSI High is a project-based, full-time Program of Emphasis in which students work in a high-tech learning environment designed to solve real community, business, and social problems. All students complete the Business Management and Analysis Career and Technical Education (CTE) program, multiple industry certifications in either digital design, product engineering, or computer application design, and gain direct management experience operating a School-Based Enterprise. PSI High learners are the innovators of tomorrow.

Winter Springs High School

PUBLIC SERVICE ACADEMY: HEROES OF TOMORROW

The Public Service Academy includes three pathways for students to learn about a variety of career opportunities. The pathways include: Principles of Teaching, Criminal Justice, and Emergency Planning and Response. Students are provided preparation for various career fields in the public sector, while working collaboratively to solve problems in an environment of rapid change and uncertainty.

RENEWABLE ENERGY

The Renewable Energy program allows students to study energy technologies and the advantages, disadvantages, and limitations of renewable energy resources for a sustainable future. This program includes opportunities to earn dual enrollment credit.

PRE-APPRENTICESHIP TRAINING



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

INTERNSHIPS

Students in grades eleven and twelfth may have the opportunity to participate in a paid or unpaid internship in some of our region's most in-demand fields. Academic credit will be earned upon successful completion of 133 hours of work along with other required assignments. Students can utilize flexible scheduling to work before, during, or after the school day to gain exposure to real-world working conditions. For more information about work-based learning opportunities, visit the ePathways website: <https://www.scps.k12.fl.us/district/departments/epathways/workplace-learning/>

VIRTUAL SCHOOL



Virtual schools provide a high-quality education along with flexible options to meet the demanding schedule of the 21st century student. SCPS operates two virtual schools: Seminole County Virtual School (SCVS) is a franchise of Florida Virtual School, and Seminole Academy of Digital Learning (SADL) uses curriculum created or purchased by SCVS. Seminole also contracts with two other Florida school districts for additional full-time instruction options.

High School and Middle School student choices include SCVS full-time, SCVS part-time, SADL part-time, or full-time contracted district franchise. Full-time options allow students to earn a regular Florida high school diploma. Full-time enrollment in SCVS for semester 1 will be open from Mon., April 5, 2021 through Tue., July 20, 2021. Part-time options are available throughout the school year; virtual classes can be taken outside of the school day or during the school day at home or at the student's school in a virtual lab pending space availability. Additionally, the district may offer virtual course enrollment over the summer (SCVS 365).

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

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

For more information, please visit www.scvs.us or call 407-871-7287.

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

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

<u>Math:</u>	Algebra I*, Geometry*, Algebra II*, Pre-Calculus (H), Calculus (H), Liberal Arts Math I, Liberal Arts Math II, Math for College Readiness, AP Calculus AB, AP Calculus BC, AP Statistics
<u>Language Arts:</u>	English I*, English II*, English III*, English IV*, English IV College Prep, AP English Language, AP English Literature
<u>Social Studies:</u>	World History*, U.S. History*, AP U.S. History, Economics*, AP Macroeconomics, AP Microeconomics, U.S. Government*, AP U.S. Government, AP Human Geography, AP Psychology



Sciences:	Biology I*, AP Biology, Earth Space Science*, Chemistry*, Physics*, Marine Science*, Physical Science*, Anatomy & Physiology*, Forensic Science
World Languages:	French I, II & III*, Spanish I, II & III* IV*, Spanish for Spanish Speakers I, American Sign Language I, II, III*, IV*
Electives:	Many options, including Personal Fitness/Fitness Lifestyle Design, Art, Guitar, AP Art History, Drivers Ed, Hospitality & Tourism, and much more! See website for a complete list.

AFTER SCHOOL COURSES

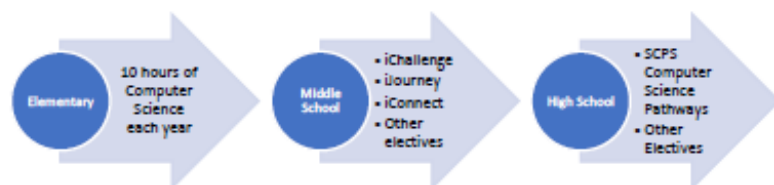
SCPS offers several after school Career and Technical Education (CTE) courses for high school credit. Students can attend an after school course at any of the participating high schools regardless of the high school they currently attend. Transportation is not provided. Courses typically meet from 3:30-5:30 on Tuesdays and Thursdays unless otherwise noted. Please note that courses are subject to cancellation due to low enrollment or change in instructor availability.

Program Name	Hosting School	Course Codes	Course Description
Applied Robotics	Lake Mary	Yr. 1- 9410110X Yr. 2- 9410120X Yr. 3- 9410130X Yr. 4- 9410140X	This program provides students with the foundational knowledge and technically oriented experience in the study of the principles, applications and systems of robotics engineering and its effect upon our lives. The students in this program will build and participate in the FIRST Robotics Competition (FRC) at UCF. Students participating in the competition will be eligible to apply for participation in the \$80 million FIRST Scholarship Program. This course requires some Saturday participation.
Automotive Maintenance and Light Repair	Oviedo	Yr. 1- 9504110X Yr. 2- 9504120X Yr. 3- 9504130X	This program provides students with the theory and practical knowledge of basic automotive systems and principles, including internal combustion engine theory, shop safety, tool usage, shop measurement, use of shop manuals, automotive industry history and development, and preventative maintenance.
Aviation	Seminole	Yr. 1- 9540610X Yr. 2- 8715110X Yr. 3- 8715120X Yr. 4- 8715130X	Fly into the future with a career in aviation! This state-of-the-art program is designed to prepare students for pursuit of employment or advanced training in the commercial and general aviation industry. Throughout these courses, students will learn the fundamentals of flight including meteorology, navigation systems and procedures, flight planning skills, ground operations and service duties. Students will participate in project-based learning experiences by using general shop tools and flight training materials while exploring career opportunities and the requirements of a professional aviation mechanic or pilot.

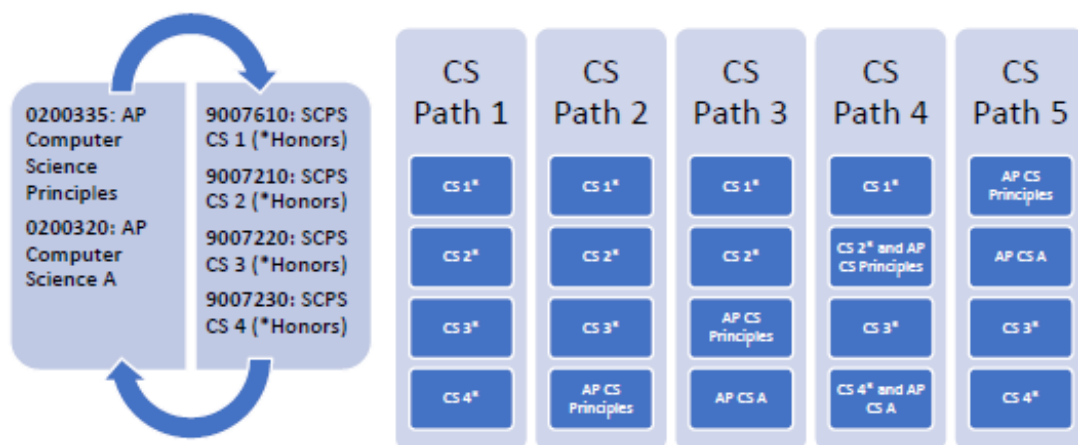
Program Name	Hosting School	Course Codes	Course Description
Cosmetology	Lake Howell	8757210X (.5) 8905120X (Spring .5)	The ideal candidate for the Cosmetology program has a passion for making people feel and look good. Students will practice performing services of the hair, skin, and nails throughout this course. Upon completion of these courses, students will have up to 160 hours towards the state requirement for licensing.
Electrical *This course meets Mondays and Wednesdays 3:30-5:30	Lyman	Yr. 1- 8727210X Yr. 2- 8727220X Yr. 3- 8727230X	This program focuses on the fundamentals of electrical technology utilizing the same equipment, materials, tools, and techniques as industry professionals. Students will learn how to troubleshoot, repair, and replace various types of electrical systems from teachers who are trained experts in the field. For students who are age 16 and older, this course provides pre-apprenticeship training and may lead to summer employment through Academy of Construction Technologies.
Heating, Ventilation, and Air Conditioning (HVAC)	Lyman	Yr. 1- 8713010X Yr. 2- 8713020X Yr. 3- 8713030X	This program focuses on the fundamentals of HVAC technology utilizing the same equipment, materials, tools, and techniques as industry professionals. Students will learn how to troubleshoot, repair, and replace various types of HVAC systems from teachers who are trained experts in the field. For students who are age 16 and older, this course provides pre-apprenticeship training and may lead to summer employment through Academy of Construction Technologies.
Technical Design	Lake Mary	Yr. 1- 8401010X Yr. 2- 8401020X Yr. 3- 8401030X Yr. 4- 8601900X	This program focuses on Engineering, Architecture, 3D Modeling & 3D Printing. Students will learn the basics of Autodesk AutoCAD to complete their projects. Students who choose to dive deeper into 3D Modeling will have the opportunity to print their projects on a Mojo or Dimension 1200 3D printer. Those focused on architecture will work on an in-depth architecture project such as developing a set of plans of their dream house. All students will take the AutoCAD Certification Exam.

SCPS COMPUTER SCIENCE PATHWAYS

Seminole County believes computer science skills are an integral component in the future of work and life. In addition, there is a high demand for employees with computer science skills and not enough qualified applicants to fill open positions. In order to adequately prepare students for these promising careers, SCPS has developed a comprehensive ePathway that prepares students starting in Kindergarten through twelfth grade, so all students have the opportunity to learn these important *Future Ready* skills.



The *SCPS Computer Science Pathways* initiative provides unique combinations of AP Computer Science courses and CTE Computer Science courses. Choose from these combinations of courses and pathways:



SCPS Computer Science (*Honors) prepares students with relevant technical knowledge and skills needed for a wide variety of computer science careers. Students will complete projects that incorporate essential programming techniques, algorithms, logical thinking, app development, and more. Students can also earn industry certifications.

AP Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing.

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. For more information about which computer science pathway is right for you, please talk with your school counselor.

How to Register: These courses may be available at your high school in 2021-2022. If you are interested, register for 0200335 or 0200320 or 9007610.

COURSE CODE INDEX

ENGLISH COURSES		MATH COURSES		CAREER & TECH	
ENGLISH COURSES	CODES	MATH COURSES	CODES	CAREER & TECH	CODES
AP Eng. Language	1001420	Algebra I	1200310	AP Comp Sci A	200320
AP Eng. Literature	1001430	Algebra I Honors	1200320	AP Comp Sci Prin	200335
Debate 1	1007330	Algebra II	1200330	Barbering I	8757110
Debate 2	1007340	Algebra II Honors	1200340	Barbering II	8757120
Debate 3	1007350	Analysis of Funct.	1201315	Barbering III	8757130
Debate 4	1007360	AP Calculus AB	1202310	Barbering IV	8757140
Develop Lang. ESOL	10023811	AP Calculus BC	1202320	Bus Man & Law Hon	8812120
English I	1001310	AP Statistics	1210320	Business Owner Hon	8812000
English I Honors	1001320	Calculus Honors	1202300	Comp & Net Security	9001320
English II	1001340	Geometry	1206310	Comp Sci Discoveries	0200305
English II Honors	1001350	Geometry Honors	1206320	Comp Sci Principles	0200315
English III	1001370	Liberal Arts I	1207300	Cosmetology II	8905120
English III Honors	1001380	Liberal Arts II	1207310	Cosmetology III	8905130
English IV	1001405	Math for College	1200700	Cosmetology IV	8905140
English IV Honors	1001410	Pre-Calculus Hon	1202340	Cosmetology V	8905150
Eng. ESOL I	1002300	Trigonometry	1211300	Culinary I	8800510
Eng. ESOL II	1002310	SCIENCE COURSES		Culinary II	8800520
Eng. ESOL III	1002320	Anat & Phys Hon	2000360	Culinary III	8800530
Eng. ESOL IV	1002520	AP Biology	2000340	Cybersecurity Ess	9001330
Fantasy & SciFi Hon	1005350	AP Chemistry	2003370	DCT	8303010
Film Studies Hon	0400360	AP Environmental	2001380	Digital Design I	8209510
Humanities Hon	0900310	AP Physics I	2003421	Digital Design II	8209520
Pre-AP English I	1001415	AP Physics II	2003422	Digital Design III Hon	8209530
Pre-AP English II	1001416	AP Physics C E&M	2003425	Digital Design IV Hon	8209540
SAT/ACT Prep	1700370	AP Physics C Mech	2003430	Early Child I	8405110
Social Media	1006375	Biology	2000310	Early Child II	8405120
Sports Lit Hon	1005350	Biology Honors	2000320	Early Child III	8405130
Yearbook	1006331YB	Chemistry	2003340	Early Child IV	8405140
SOCIAL STUDIES		Chemistry Honors	2003350	Entrepreneurship	GEB2112
African Am Hist Hon	2100336	Env. Science	2001340	Found Web Dsgn	9001110
AP European	2109380	Marine Sci Hon	2002510	Groom & Salon	8757210
AP Human Geo	2103400	Physical Science	2003310	Intro to Business	GEB1101
AP Macroecon	2102370	Physics	2003380	IT Fundamentals	9001310
AP Microecon	2102360	Physics Hon	2003390	OJT	8300410
AP Psychology	2107350	DUAL ENROLLMENT		Operational Cyber	9001340
AP Seminar	1700500	Life & Career	SLS1301C	Prin of Entrepreneur	8812110
AP Research	1700510	Student Success	SLS1101	Prin of Food Prep	8500390
AP US Govt	2106420	EXCEPTIONAL STUDENT ED.		TV Production I	8201510
AP US History	2100330	Access Per Fin Lit	7921021	TV Production II	8201520
AP World History	2109420	Learning Strategies	7963080	TV Production III	8201530
Economics	2102310	Social Personal	7963070	TV Production IV Hon	8772140
Economics Honors	2102320	WORLD LANGUAGE		User Inter Dsgn	9001120
Personal Fin Lit Hon	2102374	Am Sign Lang I	0717300	Web Script Fund	9001130
Pre-AP World/Geo	2109415	Am Sign Lang II	0717310		
Psychology	2107300	Am Sign Lang III Hon	0717312		
Sociology	2108300	Am Sign Lang IV Hon	0717314		
US History	2100310	Am Sign Lang V Hon	0717316		
US History Hon	2100320	AP French	0701380		
US Government	2106310	AP Spanish Lang	0708400		
US Government Hon	2106320	AP Spanish Lit	0708410		
World History	2109310	French I	0701320		
World History Hon	2109320	French II	0701330		
		French III Hon	0701340		
		Spanish I	0708340		
		Spanish I for Sp Speak	0709300		
		Spanish II	0708350		
		Spanish III Hon	0708360		

COURSE CODE INDEX

[illegible]

Want to know what's going on?

FOLLOW ALONG!

SCAN ME!



=



=



LAKEHOWELL.SCPS.K12.FL.US

KEEP UP WITH EVERYTHING
LAKE HOWELL!