

2023-2024

LAKE HOWELL HIGH SCHOOL
curriculum guide

4200 Dike Road, Winter Park, FL 32792
www.lakehowell.scps.k12.fl.us

LAKE HOWELL HIGH SCHOOL

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MISSION STATEMENT

To educate students in a manner that will inspire, innovate, and impact our community.

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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 BEST levels and EOC levels from the previous year. Students who are struggling with the state required graduation tests (BEST 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 2023-2024 school year is a successful one.

Sincerely,
Michael D. Howard
Principal

BIENVENIDOS SILVERHAWKS

Estimados Estudiantes y Padres:

Tómese el tiempo para revisar la Guía del plan de estudios de Lake Howell High School. La selección de cursos electivos está disponible para los estudiantes según los niveles BEST y los niveles EOC del año anterior. Los estudiantes que tienen dificultades con los exámenes de graduación requeridos por el estado (BEST lectura y escritura y exámenes EOC del estado) serán colocados en el curso apropiado diseñado para mejorar académicamente. Los cursos y calificaciones de noveno grado son muy importantes y deben seleccionarse para proporcionar la base para futuros cursos avanzados. Los estudiantes pueden visitar <https://www.floridashines.org/> para planificar los cursos de secundaria que mejor los preparen para la universidad o su futura carrera. Recuerde que los requisitos de ingreso a la universidad son más desafiantes que los requisitos de graduación de la escuela secundaria. Revise el programa de becas Bright Futures y desarrolle una estrategia para calificar al final del último año a graduarse. Todos los cursos tomados para crédito de escuela secundaria y créditos de inscripción doble aparecen en los expedientes académicos de la escuela.

Tenga cuidado al seleccionar sus cursos porque la disponibilidad de cambio de curso será muy limitada.



Opciones del siglo XXI para todos los estudiantes del siglo XXI: Lake Howell High School reconoce que los estudiantes de hoy aprenden de diferentes maneras, a diferentes ritmos y en diferentes horarios. Nuestra escuela ofrece la flexibilidad para acomodar a los estudiantes y familias de hoy en día a través de una variedad de programas de elección que incluyen opciones virtuales para cursos virtuales de tiempo completo y tiempo parcial para estudiantes de todos los grados. Estos programas ofrecen una amplia gama de oportunidades de aceleración, incluida la

recuperación de créditos, la remediación a través de horarios combinados que permiten a los estudiantes tomar algunos cursos presenciales y algunos cursos virtuales, según la situación de aprendizaje más óptima de cada estudiante.

Al utilizar los recursos disponibles en LHHS, no dude en buscar ayuda de maestros, consejeros y administradores. Estamos disponibles a través de correo electrónico y correo de voz. Planifique cuidadosamente para que su año escolar 2023-2024 sea exitoso.

Sinceramente,
Michael D. Howard
Principal

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 2023-2024 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.

LHHS will automatically schedule core classes based on a student's academic performance and assessment data. There will be a process available for students who desire to override their scheduled courses.

There is a course guide provided to students in the curriculum guide to assist in next year's planning. Students will not receive a physical registration card.

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.



SCHOOL ADMINISTRATION

Principal: Michael Howard

Front Office	Principal's Secretary	407-746-9050
JoAnn Hernandez		407-746-9001
Matt Ackley	Assistant Principal	407-746-9008
Jaclyn DiMatteo	School Administration Manager	407-746-9188
Linion Grace	School Administration Manager	407-746-9007
Mia Keyser	Assistant Principal	407-746-9003
Vicky Lampe	Assistant Principal	407-746-9079
Amber Pearson	Assistant Principal	407-746-9002
Joe Windt	School Administration Manager	407-746-9004

ADDITIONAL CREDIT AVENUES



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

1. **Seminole County Virtual School** and/or **Florida Virtual High School**
2. NOTE: For the 2023-2024 school year, SCPS will provide a full-time virtual instruction option to all students in grades K-12 through Seminole County Virtual School. Enrollment will be open at 9:00 am on Wednesday, March 22, 2023 and will close at 9:00 am on Friday, July 21, 2023. For more information, please see your certified school counselor or visit <https://virtualschool.scps.k12.fl.us>. Students may be awarded high school elective credit in the **middle school** for the following courses:
 - a. 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.**)
 - b. Foreign language. The student must successfully complete the course and demonstrate mastery of the performance standard.
3. **Credit by Examination**
4. **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 2024 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

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 & 3.5 Credits for Students Entering 9th Grade in 2023 and Beyond		
<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 <p>FOR STUDENTS ENTERING 9TH GRADE IN 2023 AND BEYOND</p> <ul style="list-style-type: none"> • .5 credit in Personal Financial Literacy 	<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 (BEST 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 2024-2027

NEW: ADDITIONAL GRADUATION REQUIREMENT FOR CLASS OF 2027

STANDARD DIPLOMA PATHWAY	REQUIREMENTS (must include (1) online course:
	<ul style="list-style-type: none"> • English Credits (English 1 – English 4) or equivalent accelerated course(s)-4 credits • Math Credits Grades (9-12) (must include Algebra 1 & Geometry)-4 credits • Science Credits (must include Biology I, (3) courses must contain a lab component, and 2 Equally Rigorous Courses)-4 credits • Social Studies (must include World History, US History, 0.5 US Government & 0.5 Economics with Financial Literacy)-3 credits; NEW: 0.5 Personal Financial Literacy for Class of 2027 and beyond = 3.5 credits • Fine or Performing Arts, Speech & Debate or Practical Art-1 credit • ½ Personal Fitness and ½ PE Elective-1 credit • Elective Credits-9 credits
TESTING REQUIREMENTS	<p><i>Passing Score on: Grade 10 ELA grad requirement test & Algebra 1 EOC or concordant score EOC's in Algebra 1, Geometry, Biology I & US History will count as 30% of the student's overall grade</i></p> <p>**An approved 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 with the district substitution form.**</p>
SCHOLARS DIPLOMA PATHWAY	REQUIREMENTS OF A STANDARD DIPLOMA PLUS:
	<ul style="list-style-type: none"> • Earn (1) credit in Statistics or equally rigorous mathematics course • Earn (1) credit in Algebra II or equally rigorous mathematics course • Earn (1) credit in Chemistry or Physics • Earn (1) credit in science course equally rigorous to Chemistry or Physics • Earn (2) credits in the same foreign language course • Earn (1) credit in Advanced Placement, International Baccalaureate, an Advanced International Certificate of Education, Dual Enrollment Course
TESTING REQUIREMENTS	<i>Passing Score on ELA state grad requirement test, Algebra 1 EOC, Geometry EOC, Biology I EOC, and US History EOC</i>
MERIT DIPLOMA PATHWAY	REQUIREMENTS OF STANDARD DIPLOMA PLUS:
	<ul style="list-style-type: none"> • Attain one or more Industry Certifications from the list established under S. 1003.492 F. S • 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
TEST REQUIREMENTS	<i>SAME AS THE STANDARD DIPLOMA</i>
SCHOLARS WITH DISTINCTION DIPLOMA PATHWAY	REQUIREMENTS OF A SCHOLARS DESIGNATION PATHWAY PLUS:
	<ul style="list-style-type: none"> • Cumulative Weighted Grade Point Average of 3.75 or higher • 3 Consecutive years in the same World Language • 6 credits in AP/ IB classes earning a grade of A or B or (4) AP or IB and (2) Dual Enrollment credits • 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.
TEST REQUIREMENTS	<i>SAME AS THE SCHOLARS DESIGNATION PATHWAY</i>
BILITERACY DIPLOMA	REQUIREMENTS OF STANDARD DIPLOMA PLUS:
	<ul style="list-style-type: none"> *Earn four world language course credits in the same world language *Earn a cumulative grade point average of 3.0 or higher on a 4.0 scale *Earn a qualifying score on a World Language assessment
TEST REQUIREMENTS	<i>SAME AS THE STANDARD DIPLOMA PLUS</i> <i>Qualifying score on a World Language assessment</i>
ADVANCED PLACEMENT CAPSTONE DIPLOMA	REQUIREMENTS OF STANDARD DIPLOMA PLUS:
	<ul style="list-style-type: none"> • Satisfactory completion of the AP Seminar course as determined by College Board • Satisfactory completion of the AP Research course as determined by College Board • Satisfactory completion of four AP courses as determined by College Board
TEST REQUIREMENTS	<i>SAME AS THE STANDARD DIPLOMA PLUS</i> <i>Satisfactory completion of AP courses as determined by the College Board</i>

STUDENT SERVICES

The best method to contact your designated counselor is through email.
Need a Parent/Teacher Conference? Contact Ms. Simo at 407-746-9082.
Students are encouraged to attend Parent/Teacher Conferences.

Counselor	Student Last name	Phone Number	Email
Melissa Kimball	A – DA	407-746-9062	Melissa_Kimball@scps.k12.fl.us
Carolyn Ellis	DE – HOWA	407-746-9066	Carolyn_Ellis@scps.k12.fl.us
Haleigh Cain	HOWE – M	407-746-9197	Hitzinhz@scps.k12.fl.us
Lisandra Francis	N – SAND	407-746-9066	Martinlz@scps.k12.fl.us
Meghann Bratton	SAN – Z	407-746-9064	Meghann_Bratton@scps.k12.fl.us
Brynn Simo	Student Services Secretary & Records Request	407-746-9082	simobz@scps.k12.fl.us
Jennice Armogan	ESE Records	407-746-9018	hernanja1@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.

POST SECONDARY INFORMATION

FINANCIAL AID AND SCHOLARSHIPS

- 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 October 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.
- College Work Study.** Programs provide part-time employment while attending college and are based on financial need.
- 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.
- 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.
- 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 9th and 10th grade for practice.
- Academic Awards.** Most colleges and universities offer academic scholarships to students who are high in academic standing or show academic promise.
- 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																		
<p>SAT Score – 1330 ACT Score – 29</p> <p>Note: the new writing sections for both the SAT and ACT will not be used in the composite.</p> <p>SAT Subject Tests are not used for Bright Futures eligibility.</p> <p>ACT scores are rounded up for scores of .5 and higher.</p>	<p>SAT Score – 1210 ACT Score – 25</p> <p>Note: the new writing sections for both the SAT and ACT will not be used in the composite.</p> <p>SAT Subject Tests are not used for Bright Futures eligibility.</p> <p>ACT scores are rounded up for scores of .5 and higher</p>	<p>SAT Score:</p> <table style="width: 100%; border: none;"> <tr><td style="padding-left: 20px;">Reading</td><td style="text-align: right;">24</td></tr> <tr><td style="padding-left: 20px;">Math</td><td style="text-align: right;">24</td></tr> <tr><td style="padding-left: 20px;">Writing Language</td><td style="text-align: right;">25</td></tr> </table> <p>ACT Score:</p> <table style="width: 100%; border: none;"> <tr><td style="padding-left: 20px;">English</td><td style="text-align: right;">17</td></tr> <tr><td style="padding-left: 20px;">Reading</td><td style="text-align: right;">19</td></tr> <tr><td style="padding-left: 20px;">Math</td><td style="text-align: right;">19</td></tr> </table> <p>PERT Score:</p> <table style="width: 100%; border: none;"> <tr><td style="padding-left: 20px;">Reading</td><td style="text-align: right;">106</td></tr> <tr><td style="padding-left: 20px;">Writing</td><td style="text-align: right;">103</td></tr> <tr><td style="padding-left: 20px;">Math</td><td style="text-align: right;">114</td></tr> </table>	Reading	24	Math	24	Writing Language	25	English	17	Reading	19	Math	19	Reading	106	Writing	103	Math	114
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Math	24																			
Writing Language	25																			
English	17																			
Reading	19																			
Math	19																			
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>																				

WHAT'S ^ YOUR

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

WHAT'S ^ YOUR | Enrollment

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

WHAT'S ^ YOUR | Employment

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

WHAT'S ^ YOUR | Enlistment

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



PROGRAMS OF EMPHASIS

ASSOCIATE OF ARTS DEGREE IN BUSINESS

LAKE HOWELL HIGH SCHOOL

Business & Entrepreneurship

LAKE HOWELL HIGH SCHOOL

ASSOCIATE OF ARTS
DEGREE IN
BUSINESS

SEMINOLE COUNTY PUBLIC SCHOOLS



Program #: 8812100

Grades: 9 – 12

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 Intro to Business 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

NEW OPPORTUNITY BEGINNING IN 2023-2024 SCHOOL YEAR

Students enrolled in the AA program will now be able to choose two different tracks with Seminole State:

BS Business & Information Management: This is the original track and degree.

BAS Management & Organizational Leadership: This is the **new** track offered for students beginning in 2023.



ASSOCIATE OF ARTS DEGREE (AA) IN BUSINESS

A FOUR YEAR PLAN*

9th 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	
Career Research & Decision Making	0.5	
TOTAL:	3.5	
9th Grade—Semester 2	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	
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
‡ In order to earn a scholars diploma students must take Algebra 2 prior to graduation		
10th 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
10th Grade—Semester 2	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	
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

11th 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
AA Capstone	0.5	
AP US History (4 or 5 for 3 SSC history credits)	0.5	
TOTAL:	3.5	9.0
11th Grade—Semester 2	HS	AA
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
AP US History (Score of 4/5 = 3 SSC history credits)*	0.5	
AA Capstone	0.5	
Experiencing the Humanities (HUM 2020)	0.5	3.0
TOTAL:	3.5	12.0*
12th 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
***Humanities Area B (Student Choice)	0.5	3.0
AA Capstone	0.5	
Science (Student Choice)	0.5	
TOTAL:	3.5	12.0
12th Grade—Semester 2	HS	AA
Managerial Accounting (ACG 2071)	0.5	3.0
Statistics (STA 2023)	0.5	3.0
**MS Excel (OST 2852C)	0.5	3.0
AA 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).

DE = Dual Enrollment = AA Degree credits

NEW PROGRAM TRACK ADDED TO BEGIN IN 2023-2024 SCHOOL YEAR

BAS Management & Organizational Leadership: MAR2011 Marketing will replace MAC2233 Concepts of Calculus for students in this track.

PROGRAMS OF EMPHASIS

ENTREPRENEURSHIP PATHWAY



Business & Entrepreneurship

Program: Entrepreneurship

Program #: 8812100

Grades: 9 – 12

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.

Industry Certification(s) Offered



Courses must be taken in sequence.

Year 1: 8812110 PRINCIPLES OF ENTREPRENEURSHIP (1 credit)

Principles of Entrepreneurship is the entry-level course within the Business Entrepreneurship Program. The purpose of this program is to introduce students to the concept of entrepreneurship as a viable career option, provide students with 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. This course is designed to provide students with an overall understanding of the general processes involved in designing, starting, and managing a successful business venture.

Year 2: 8812120 BUSINESS MANAGEMENT & LAW HONORS (1 credit)

As the second course in the Business Entrepreneurship Program, Business Management and Law is designed to provide an introduction to business management techniques, as well as emphasize the legal concepts significant to business owners and associated with starting a business. Students will complete a semester long Business Operations project where they work directly with a local company on a strategic plan. This course will continue to build upon the entrepreneurship foundation provided in course one.

Year 3: 8812000 BUSINESS OWNERSHIP HONORS (1 credit)

As the third course in the Business Entrepreneurship Program, Business Ownership provides significant advancement and opportunity for intensive study in entrepreneurship and small business management. Students will have the opportunity to operate a school based enterprise, manage the business incubator, as well as partner with CTE programs where students will have the opportunity to create strategic plans and marketing campaigns.

**Year 4: GEB 1101 INTRODUCTION TO BUSINESS
GEB 2112 ENTREPRENEURSHIP**

(3 college credit hours each/0.5 high school credit each)

As the fourth and final course in the Business Entrepreneurship Program, the Executive Internship provides practical and hands-on business experience through the utilization of business partnerships within our community. Students are required to participate and interact with local entrepreneurs and business owners. Additionally, classroom instruction and campus leadership initiatives are used to create a comprehensive learning experience. The Dual Enrollment course provides business and non-business majors with the skills necessary to succeed as an entrepreneur. The fundamentals of starting and operating a business, developing a business plan, obtaining financing, marketing a product or service and developing an effective accounting system will be covered.

83004300 BANK INTERNSHIP (1 credit)

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 the Lake Howell campus. Some students tellers have become full-time Addition Financial team members upon completion of their education. Interviews are conducted in the spring of each school year.

PROGRAMS OF EMPHASIS

CYBERSECURITY



Program: Applied Cybersecurity

Program #: 9001300

Grades: 9 – 12

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.

Industry Certification(s) Offered



Year 1: 8207310 DIGITAL INFORMATION TECHNOLOGY (1 credit)

This course introduces students to the essential concepts, components, terminology, and knowledge about computers, computer systems, peripherals, and networks.

Year 2: 9001330 CYBERSECURITY ESSENTIALS (1 credit)

This course introduces students to cybersecurity and provides them with essential computer and networking knowledge and skills, particularly those related to cybersecurity.

Year 3: 9001320 COMPUTER & NETWORK SECURITY (1 credit)

This course provides students with insight into the many variations of vulnerabilities, attack mechanisms, intrusion detection systems, and some methods to mitigate cybersecurity risks, including certificate services and cryptographic systems.

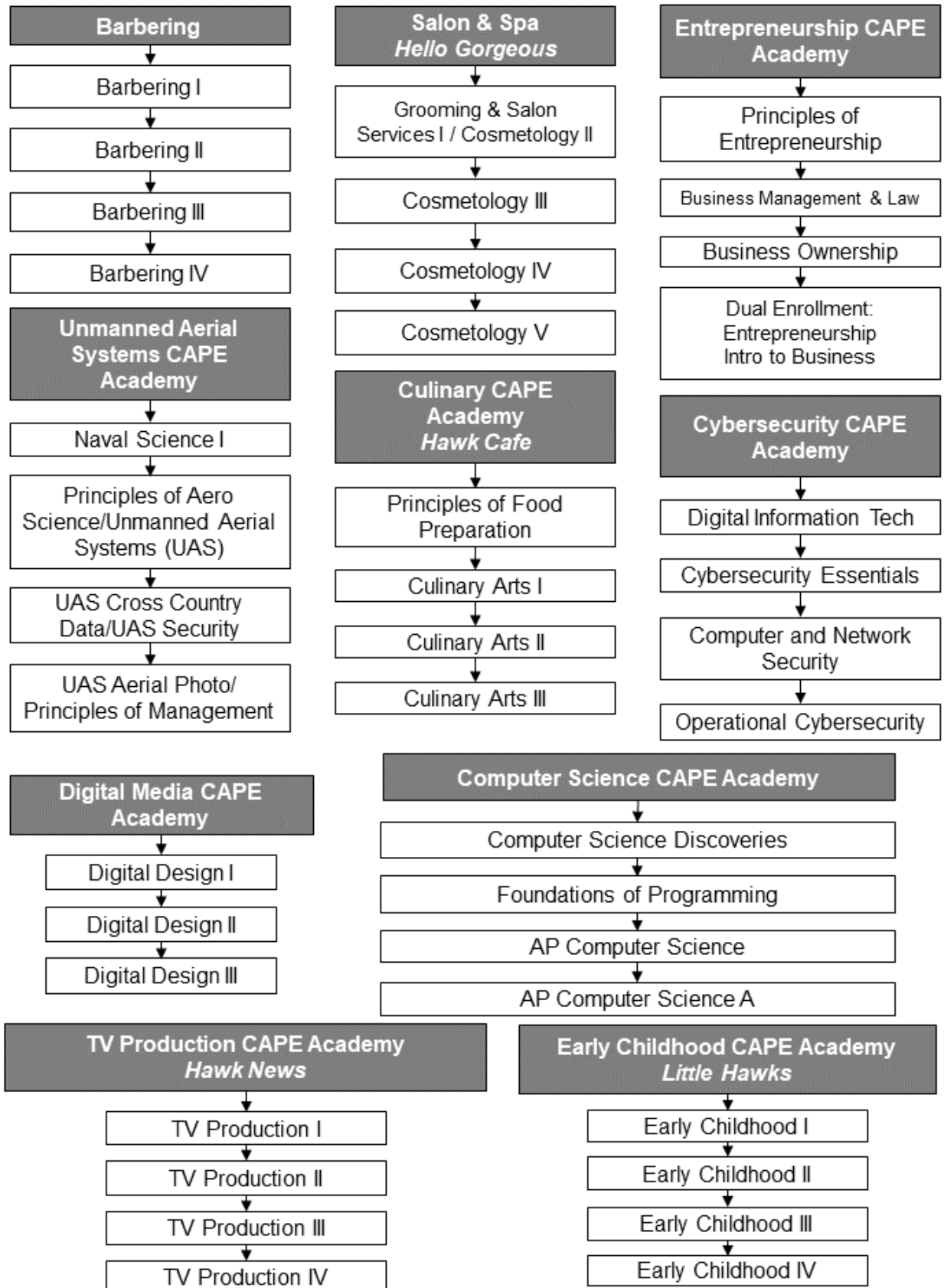
Year 4: 9001340 OPERATIONAL CYBERSECURITY (1 credit)

This course provides students with insight into the many ways in which computer systems can be secured, countermeasures implemented, and risk assessment performed.

EPATHWAYS CAREER PROGRAMS

Career & Technical Education

Students participating in Career and Technical Education (CTE) courses are strongly encouraged to complete all courses in the program.



COMPUTER SCIENCE PRINCIPLES PROGRAM

Course Progression

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

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

0200305
Computer Science Discoveries

9007210
Foundations of Programming

0200335
AP Computer Science Principles

0200320
AP Computer Science A



The content includes but is not limited to practical experiences in computer programming, algorithms, program design structure, logical thinking, development methodologies, essential programming techniques, and implementation issues. Specialized programming skills involving advanced mathematical calculations and physics are also integrated into the curriculum.

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)

Industry Certifications Offered



COSMETOLOGY *Hello Gorgeous*

Program: Cosmetology

Program #: 8905100

Description: This program provides 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 (0.5 credit)
8905120	COSMETOLOGY 2 (0.5 credit)
Year 2: 8905130	COSMETOLOGY 3 (0.5 credit)
Year 3: 8905140	COSMETOLOGY 4 (1 credit)
Year 4: 8905150	COSMETOLOGY 5 (1 credit)

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 Certification(s) Offered



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
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 Certification(s) Offered



EARLY CHILDHOOD EDUCATION *Little Hawks Preschool*

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 part one of the 45 hours of DCF coursework for initial employment and complete part two for all 45 hours in Level 3. 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. Students gain not only the certifications but the hands-on experience to leave this program fully prepared to succeed in the Early Childhood industry.

Courses

Grades 9 – 12

Industry Certification(s) Offered



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 HONORS (1 credit)

Year 4: 8405140

EARLY CHILDHOOD EDUCATION IV HONORS (1 credit)

PHOTOGRAPHY

Courses

Grades 9 – 12

Industry Certification(s) Offered



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.

TELEVISION PRODUCTION ACADEMY *Hawk News Live*

Program: Television Production Technology

Program #: 8201500

Description: Students in Television Production will create digital video content for the live school news (Hawk News Live), a variety style talk show (Squawk Talk), sporting event highlight videos, and various other film productions. The course will teach students industry-standard skills for use in careers such as filmmaking, broadcast news, video, and multimedia production. Students are given access to production equipment and post-production software necessary to produce video content. Students are also given the opportunity to become certified in Adobe products. The class is useful for students to develop skill sets such as time management, collaboration, communication, and screenwriting; all of which will transfer to many other career paths. Students have the opportunity to participate in the Student Television Network Conference in Los Angeles to learn more about TV production as well as compete in video contests against students from over 60 high schools across the country.

Courses

Grades 9 – 12

Industry Certification(s) Offered



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: 8201540

TV PRODUCTION IV HONORS (1 credit)

CAREER AND TECHNICAL EDUCATION ELECTIVES

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.

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.**

8300310 WORKPLACE ESSENTIALS (Only for non-CTE students) (0.5 credit)

This program offers a broad foundation of knowledge and skills to prepare students for employment in their chosen occupational field.

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

8300420 OJT: Cooperative Diversified Education

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 their counselor 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 EPathways pre-requisite MUST complete the DCT course.

ADVANCED PLACEMENT COMPUTER SCIENCE

0200335 ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES (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 ADVANCED PLACEMENT COMPUTER SCIENCE A (1 credit)

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.

ADDITION FINANCIAL LAKE HOWELL BRANCH

Partnership with Addition Financial



83004300 BANK INTERNSHIP (1 credit)

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.

ADVANCED PLACEMENT COURSES



Lake Howell offers an innovative 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 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 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.

ADVANCED PLACEMENT COURSES

See course descriptions in corresponding sections.

English Language Arts

1001420 AP English Language and Composition
1001430 AP English Literature and Composition

Mathematics

AP Precalculus
1210320 AP Statistics
1202310 AP Calculus AB
1202320 AP Calculus BC

Science

2000340 AP Biology
2003370 AP Chemistry
2001380 AP Environmental Science
2003421 AP Physics I
2003422 AP Physics II
2003425 AP Physics C – Electricity & Magnetism
2003430 AP Physics C – Mechanics

Career & Technical

0200335 AP Computer Science Principles
0200320 AP Computer Science A

Social Studies

2103400 AP Human Geography
2109420 AP World History
2100330 AP United States History
2102370 AP Macroeconomics
2102360 AP Microeconomics
2106420 AP United States Government
2109380 AP European History
0100300 AP Art History
2107350 AP Psychology

Performing & Fine Arts

1300330 AP Music Theory
0104300 AP Drawing
0109350 AP Art 2D
0109355 AP Art 2D Innovation
0109360 AP Art 3D

World Languages

0701380 AP French Language & Culture
0708400 AP Spanish Language
0708410 AP Spanish Literature

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.

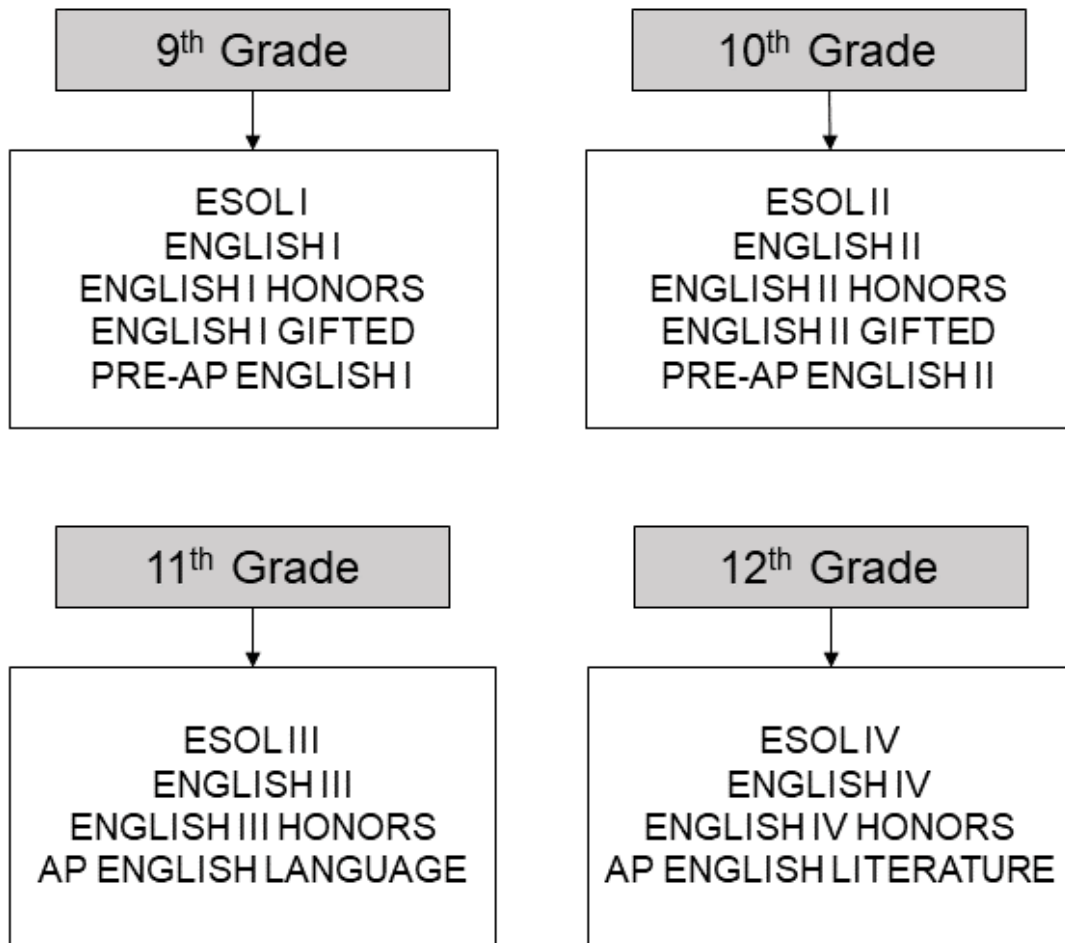
HONOR CODE

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

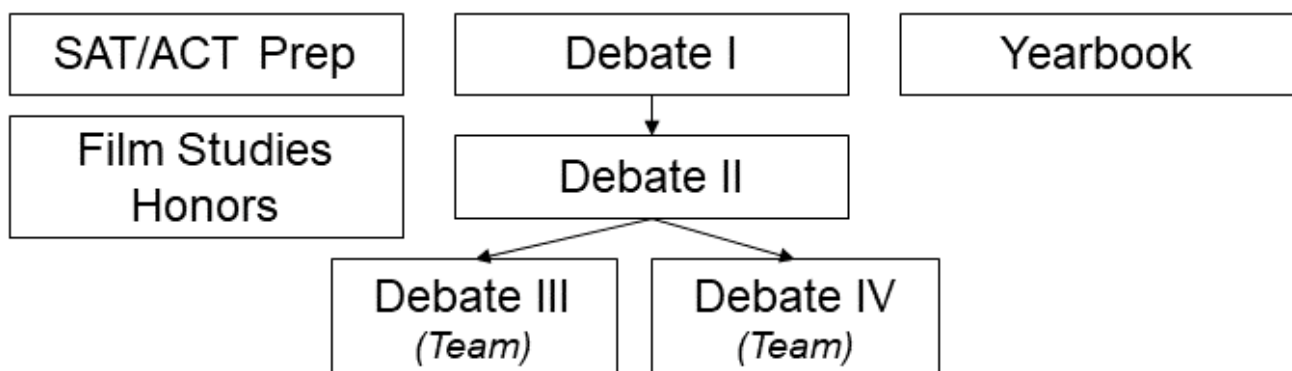
College Board AP examinations are nationally standardized and passing scores are awarded college credit by colleges and universities. All students are **required** to take the AP exam(s) in May, which is typically at the end of the course and the first two weeks in May.

ENGLISH LANGUAGE ARTS



FLDOE State FAST testing 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.

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



ENGLISH LANGUAGE ARTS

- 1001310 ENGLISH I (*Grade 9*) (1 credit)
1001320 ENGLISH I HONORS (*Grade 9*) (1 credit)
1001415 PRE-ADVANCED PLACEMENT ENGLISH 1 (*Grade 9*) (1 credit)
-

- 1001340 ENGLISH II (*Grade 10*) (1 credit)
1001350 ENGLISH II HONORS (*Grade 10*) (1 credit)
1001416 PRE-ADVANCED PLACEMENT ENGLISH II (*Grade 10*) (1 credit)
-

- 1001370 ENGLISH III (*Grade 11*) (1 credit)
1001380 ENGLISH III HONORS (*Grade 11*) (1 credit)

1001420 ADVANCED PLACEMENT 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)

1001430 ADVANCED PLACEMENT 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.

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 (*Grades 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.**

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 SAT and to practice with actual test samples.

1007330 DEBATE 1 (Grades 10-12) (1.0 credit)

1007340 DEBATE 2 (Grades 11-12) (1.0 credit)

1007350 DEBATE 3 (Debate Team) (1 credit)

1007360 DEBATE 4 (Debate Team) (1 credit)

Courses must be taken in sequence.

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.

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.

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

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

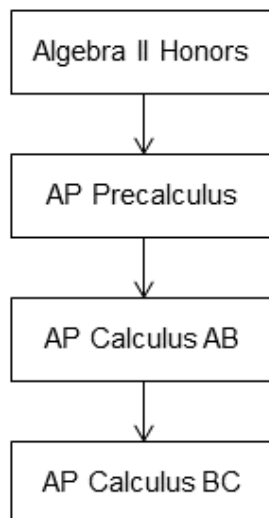
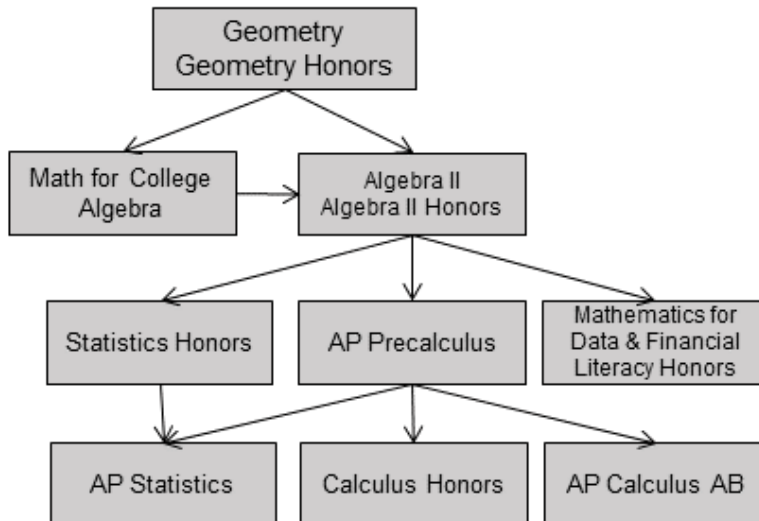
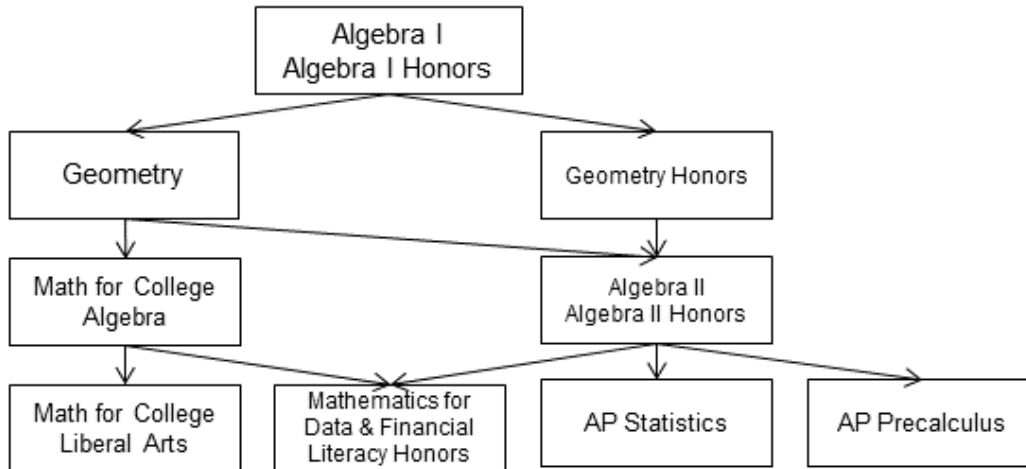
1006333YB YEARBOOK HONORS (Grades 9-12) (1 credit) YEAR 3

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.

MATHEMATICS



AP Statistics can be taken concurrently with any of the following courses:
 AP Precalculus
 AP Calculus AB
 AP Calculus BC

MATHEMATICS

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

Math courses must be taken in sequence according to course progression guides.

1200310 ALGEBRA 1 (1 credit)

1200320 ALGEBRA I HONORS (1 credit)

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)

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)

1207350 MATH FOR COLLEGE LIBERAL ARTS (Grade 11) (1 credit)

1210300 PROBABILITY & STATISTICS WITH APPLICATIONS HONORS (Grade 11) (1 credit)

This course is part of a 2-year program that results in students taking Advanced Placement Statistics the following year.

1200710 MATH FOR COLLEGE ALGEBRA (Grade 12) (1 credit)

1200388 MATHEMATICS FOR DATA AND FINANCIAL LITERACY HONORS (Grade 12) (1 credit)

1202300 CALCULUS HONORS (1 credit)

This course is designed to prepare students for success in AP Calculus.

ADVANCED PLACEMENT PRE-CALCULUS (1 credit)

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

1210320 ADVANCED PLACEMENT STATISTICS (1 credit)

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. This course will be taught using a TI-84 graphic calculator. **Only 12th grade students may take this as their only math class.**

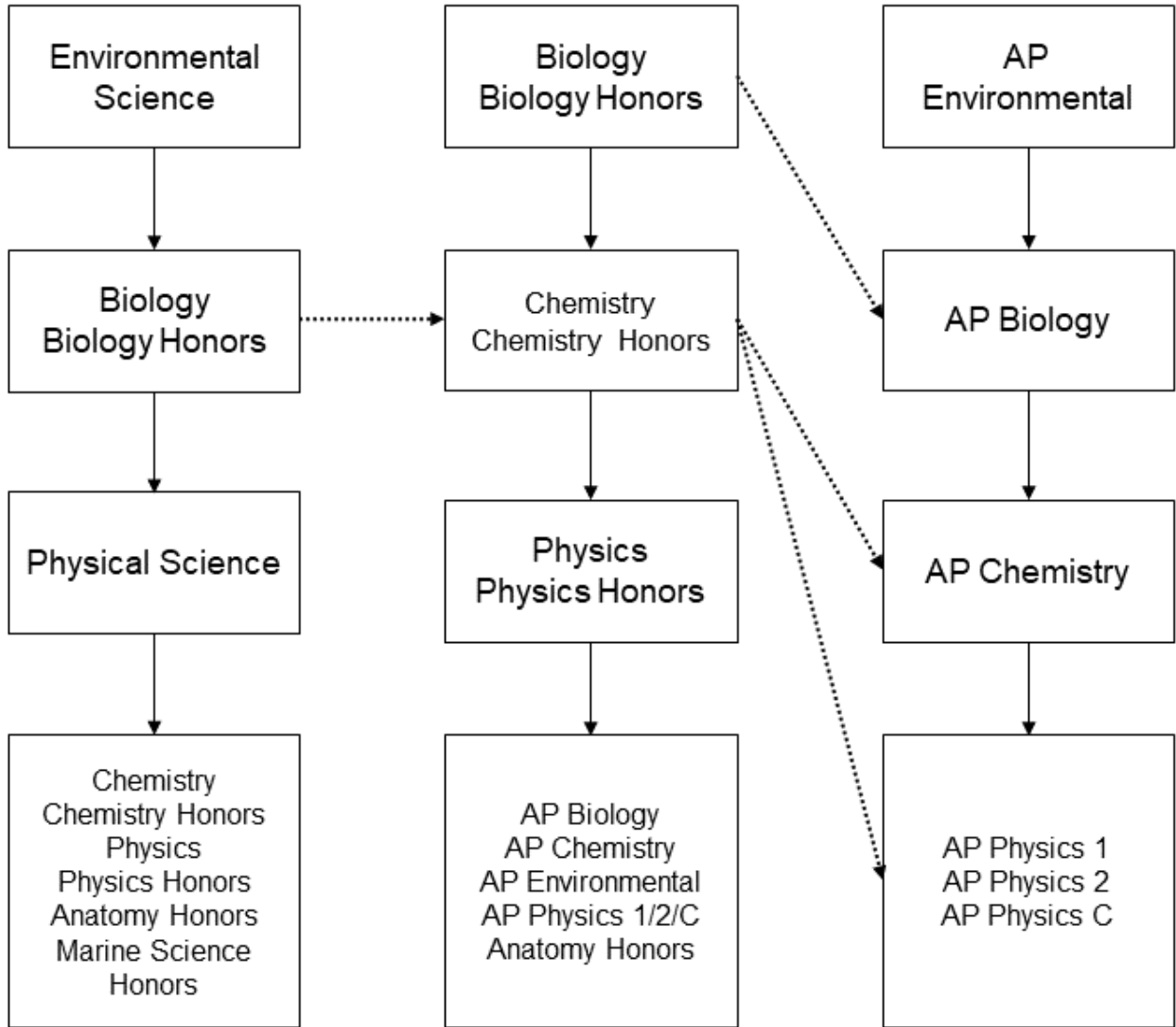
1202310 ADVANCED PLACEMENT CALCULUS AB (1 credit)

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 ADVANCED PLACEMENT CALCULUS BC (1 credit)

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



Recommended Sequences —————→

Alternative Sequences ·····→

SCIENCE

Core class will be selected for you based on your test scores and completed course grades. All students will progress to a course that is equally or more rigorous than their previous course. All students will be required to take biology, chemistry, and physics. Physical science can be taken in lieu of chemistry and physics for select students.

Two or more science courses can be taken concurrently.

Students may be placed in a science class based on the previous year's Reading FAST score.

2000310 **BIOLOGY (1 credit)**
2000320 **BIOLOGY HONORS (1 credit)**

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)**

2001340 **ENVIRONMENTAL SCIENCE (Grade 9) (1 credit)**

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

2002510 **MARINE SCIENCE HONORS (Grades 11-12) (1 credit)**

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

2003380 **PHYSICS (1 credit)**
2003390 **PHYSICS HONORS (1 credit)**

2000340 **ADVANCED PLACEMENT BIOLOGY (Grade 10 - 12) (1 credit)**

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 enrolling in it should have an understanding of experimental design. Participating colleges and universities award credit based on the results of the AP Examination.

2003370 **ADVANCED PLACEMENT CHEMISTRY (1 credit)**

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 **ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE (Grades 9 - 12) (1 credit)**

This is an introductory college level course designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires students 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 writing component and strong writing skills are an asset.** 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 exam.

2003421 ADVANCED PLACEMENT PHYSICS I (Grades 11 - 12) (1 credit)

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 ADVANCED PLACEMENT PHYSICS II (Grades 11 - 12) (1 credit)

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 ADVANCED PLACEMENT PHYSICS C - ELECTRICITY & MAGNETISM (Grades 11 - 12) (1 credit)

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

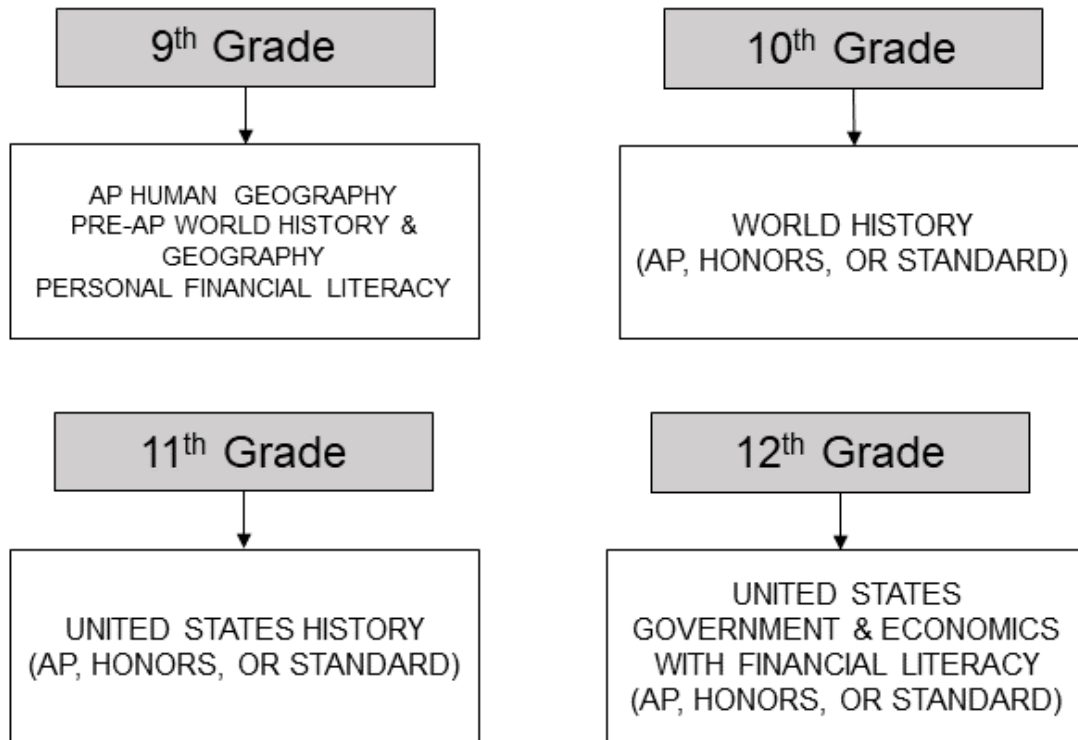
This course is a one-semester, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic 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 ADVANCED PLACEMENT PHYSICS C - MECHANICS (Grades 11 - 12) (1 credit)

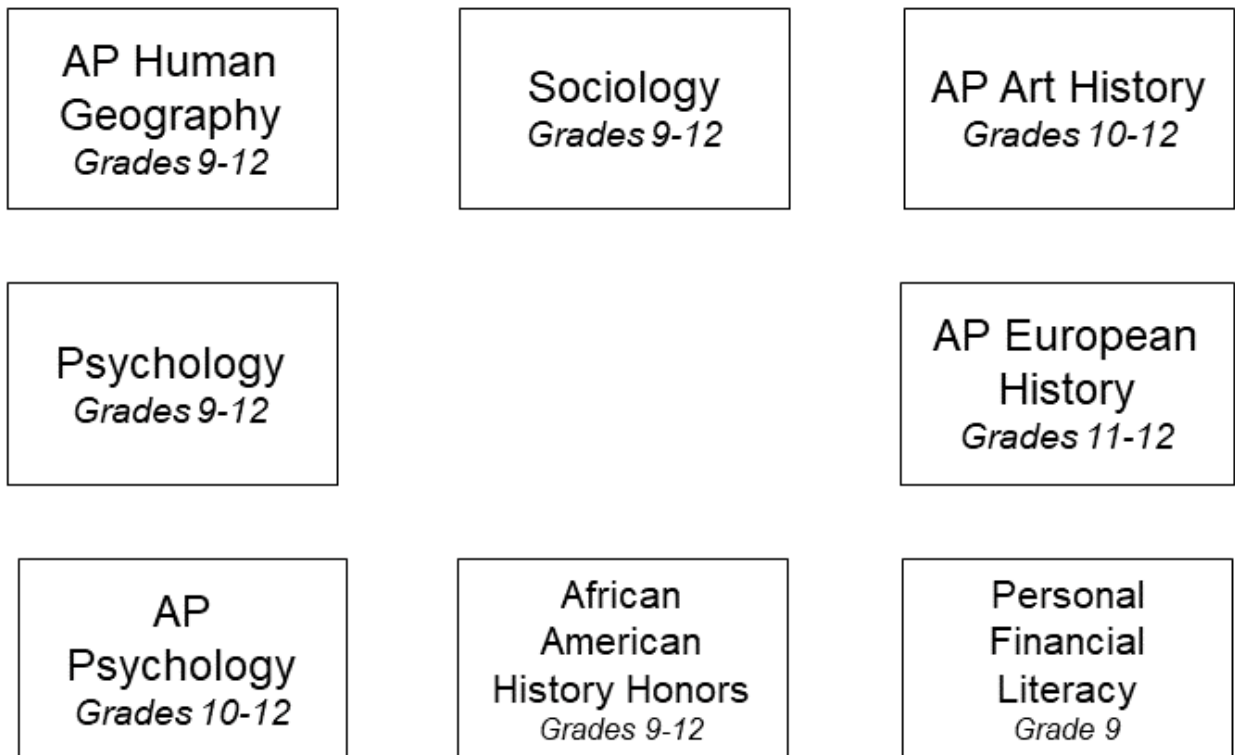
Co-requisite: *AP Calculus AB*

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.

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 FAST score.

2102374 PERSONAL FINANCIAL LITERACY HONORS (Grade 9) (0.5 Credit)

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.

This course is a graduation requirement for the class of 2027 and beyond.

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

2103400 ADVANCED PLACEMENT 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)

2109420 ADVANCED PLACEMENT 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)

2100330 ADVANCED PLACEMENT 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 information and critical thinking using historical documents. Students will read a wide variety of historical documents and text.

2102310 ECONOMICS (Grade 12) (0.5 credit)

2102320 ECONOMICS HONORS (Grade 12) (0.5 credit)

Online Requirement met in these classes.

2102370 ADVANCED PLACEMENT 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.

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

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

2106420 ADVANCED PLACEMENT 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.

2100365 AFRICAN HISTORY HONORS (Grades 9-12) (0.5 credit)

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

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

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

2109380 ADVANCED PLACEMENT EUROPEAN HISTORY (Grades 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.

0100300 ADVANCED PLACEMENT 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.

2107350 ADVANCED PLACEMENT 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.

PERFORMING & FINE ARTS

These courses may require students to participate in extra rehearsals and performances beyond the school day.

1300330 ADVANCED PLACEMENT 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.

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, Competitions, concerts, and various FBA MPA evaluations). The times of those rehearsals will be given to students the middle of June. 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. Marching Band has a militaristic background and there is a look/dress code for when the band is in uniform. Specifics are listed in the uniform section of the band/guard handbook. 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. At the end of May and beginning of June, there will be three registration nights where students gather information to plan the marching band show and order uniforms. If students do not attend, they will not be guaranteed a spot in the marching show and could be placed as an alternate.

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 PROGRAM

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.

ORCHESTRA PROGRAM

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 signing, 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.

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 PROGRAM

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.

0300300 **WORLD DANCE (Grades 9 - 12) (1 credit)**

Students actively explore formal and folk dance from a variety of cultures and sub-cultures around the world over time. Students may use timelines to guide their study of art history, dance history, and technology, or they may investigate dance customs globally and in real time using technology and the community's cultural resources. Inquiry may include, but is not limited to, political and social influences, traditional and non-traditional attire, and the use of associated objects in various cultural dances. 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.

0300310 **DANCE TECHNIQUE 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 TECHNIQUE 2 (Grades 9 - 12) (1 credit) prerequisite: Dance 1**

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

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

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 LHHS ambassadors for dance and the performing arts.

VISUAL ARTS PROGRAM

2D ART

0101355 2D 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: 2D Art

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

0104300 ADVANCED PLACEMENT DRAWING (1 credit)

0109350 ADVANCED PLACEMENT ART 2D (1 credit)

Prerequisites: 2D Art, Draw/Paint & Teacher Recommendation

3D ART

0101365 3D ART (0.5 credit)

3D Art 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: 3D 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: 3D Art

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.

0109360 ADVANCED PLACEMENT ART 3D (1 credit)

AP Art 3D prerequisite: Art 3D & Ceramics

0109330 ADVANCED PLACEMENT Innovation (1 credit)

AP Innovation prerequisite: AP Art 2D & AP Art 3D

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.

0100300 ADVANCED PLACEMENT 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.

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)

WORLD LANGUAGES

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.

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.

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". Collegiate high school students and Early Admission students are exempt from this credit hour limit.

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. Students will receive three college credits at the completion of the course.

**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. Students complete this course virtually through the Seminole State College canvas portal with an SSC instructor.

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

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.

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)

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 Dual Enrollment

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 (Grade 10) (0.5 high school credit and 3.0 college credits)

Prerequisite: 2.5 GPA

An introductory course in Aeronautical Science designed to provide the student with a broad-based aviated 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. Students may earn an FAA 107 drone license.

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

Pre-requisite: ASC1200

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. Completion of this course will earn an industry certification from the Unmanned Systems Industry (USI).

Industry Certifications Offered



Year Two

ASC1210 PRIVATE PILOT OPERATIONS (Grade 11) (0.5 high school credit and 5.0 college credits)

Pre-requisites: ASC1200 and ASC2200

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.

PURCHASE YOUR REQUIRED PE SHIRT HERE:

<http://bit.do/peshirtlhhs>



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 and is also offered through virtual school. Register here:***

<https://virtualschool.scps.k12.fl.us/attend/register.stml>

LHHS PE SHIRT REQUIRED:



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.

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.

LHHS PE SHIRT REQUIRED:



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.

LHHS PE SHIRT REQUIRED:



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

24003000C	LATINOS IN ACTION (0.5 credit) – Year 1 Semester 1
21043600C	LATINOS IN ACTION (0.5 credit) – Year 1 Semester 2
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 & 21043600G GUIDED WORK (Grade 12) (0.5 credit)

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

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.

14003000 & 14003100 PEER CONNECTORS 1 (Grade 11)

1400320 & 1400330 PEER CONNECTORS 2 (Grade 12)

Pre-requisite: A completed application.

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

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.**



AFTER-SCHOOL COURSES

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

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

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

Transportation is not provided.

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

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



 **EDUCATIONAL**
e pathways™
SEMINOLE COUNTY PUBLIC SCHOOLS

OCTOBER 1 – DECEMBER 1, 2022

On Time Application Period

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

HIGH SCHOOL MAGNETS

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

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



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

APPLY AT WWW.SEMINOLESCHOOLCHOICESAPPLICATION.US



FEBRUARY 1 – APRIL 1, 2023

On Time Application Period

HIGH SCHOOL PROGRAMS OF EMPHASIS

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

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

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

APPLY AT WWW.SEMINOLESCHOOLCHOICESAPPLICATION.US

VIRTUAL SCHOOL



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

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

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

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

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

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

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

Math:	Algebra I*, Geometry*, Algebra II*, Pre-Calculus (H), Calculus (H), AP Calculus AB, AP Calculus BC, AP Statistics, MU Math Suite, Probability and Statistics with Applications Honors, Math for College Algebra, Math for College Liberal Arts
Language Arts:	English I*, English II*, English III*, English IV*, English IV College Prep, AP English Language, AP English Literature, Journalism
Social Studies:	World History*, AP World History, U.S. History*, AP U.S. History, Economics*, AP Macroeconomics, AP Microeconomics, U.S. Government*, AP U.S. Government, AP Human Geography, AP Psychology, Sociology, Personal Financial Literacy, Psychology, World Religions
Sciences:	Biology I*, AP Biology, Earth Space Science*, Chemistry*, Physics*, Marine Science*, Physical Science*, Anatomy & Physiology*, Forensic Science, Environmental Science
World Languages:	French I, II & III*, AP French Language, Spanish I, II & III* IV*, AP Spanish Language, American Sign Language I, II, III*, IV*
Electives:	Many options, including Personal Fitness/Fitness Lifestyle Design, Art, Guitar, AP Art History, Drivers Ed, Hospitality & Tourism, and much more! See website for a complete list.



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

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

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

Lake Howell High School

2023-2024 Course Registration Planning Form

Plan your classes. Make sure you plan to take 7 total credits.

CORE ACADEMICS:

Class Name	Level	# of credits
Language Arts:		
Math:		
Science:		
Social Studies		

ELECTIVES: Must select 3 credits worth of classes

Class Name	Level	# of credits
Elective:		
Elective:		
Elective:		
Elective:		

ALTERNATES: Must select at least 3 credits worth of classes

Class Name	Level	# of credits
Alternate:		
Alternate:		
Alternate:		
Alternate:		

NOTE: For the 2023-24 school year, SCPS will provide a full-time virtual instruction option to students in grades K-12 through Seminole County Virtual School. Enrollment will be open from April 4 to July 29, 2023. For more information, please see your certified school counselor or visit <http://virtualschool.scps.k12.fl.us>.

Additional Forms and Applications

1. Core Class Override Form:

Students and parents may choose to override a school recommended pre-registered core academic class online at https://bit.ly/LHHSschedule_change. **Submissions will be accepted until the final course request review in April.** Please know that a schedule change after the start of the year may not be possible due to class sizes, so please consider your choices carefully.

2. Virtual School Period:

If you are electing to take a virtual course as one of your 7 class periods/credits next school year, you must submit your request online at https://bit.ly/LHHS_virtualform.

3. Senior Modified Schedule:

Seniors are allowed up to 2 off campus placeholders if they are **on track** for graduation with a minimum **2.5 unweighted GPA**. You must submit your request online at https://bit.ly/LHHS_seniorschedule.

4. Dual Enrollment:

Students interested in Dual Enrollment can visit the Seminole County Public Schools Website at <https://www.scps.k12.fl.us/district/departments/instructional-resources/dual-enrollment/>.

Testing Requirements

*Passing score on FSA ELA (reading) test or SAT or ACT concordant score

*Passing score on Algebra 1 EOC or appropriate concordant score

*Participate in Biology, Geometry, US History End of Course Exams

For more details on Graduation Requirements and concordant scores, visit <https://www.scps.k12.fl.us/district/departments/assessment-accountability/graduation-requirements.shtml>.

SCPS Graduation Requirements

*Cumulative GPA 2.0 (unweighted)

*Complete virtual course

-Included in Honors/Standard Government & Economics

*Complete 26 credits

- English 4 credits
- Math 4 credits (9th grade-12th)
- Science 4 credits
- World History 1 credit
- US History 1 credit
- US Government 0.5 credit
- Economics 0.5 credit
- Performing/Fine Art 1 credit
- Personal Fitness 0.5 credit
- PE class 0.5 credit
- Elective credits 9 credits

PRE REGISTRATION ACTIVITY

HOW TO VIEW YOUR GRADUATION REQUIREMENTS IN YOUR SKYWARD ACCOUNT

1. Login to your skyward account
2. Click on Graduation Requirements tab:

Student Info	Coursework Requirement Area	Required	Complete	In Progress	Scheduled	Remaining	Status
Schedule	Total	26,000	16,500	2,500		9,500	In Progress
Test Scores	American Government	0,500				0,500	
Fee Management	American History	1,000				1,000	
Graduation Requirements	Economics	0,500				0,500	
Academic History	English	4,000	1,500	0,500		2,500	In Progress
Login History	English I (View Courses)	1,000	1,000				Completed
	English II (View Courses)	1,000	0,500	0,500		0,500	In Progress
	English III	1,000				1,000	
	English IV	1,000				1,000	
	Mathematics	6,000	6,000	0,500			Completed
	Algebra I (View Courses)	1,000	1,000				Completed
	Geometry (View Courses)	1,000	1,000				Completed
	Electives (View Courses)	4,000	4,000	0,500			Completed

3. Pay careful attention to the column for remaining courses due (in red). Remember that all students will need to complete 4 Math courses while at High School (Math courses taken while in Middle School will count as a math credit but will not count towards your 4 year of Math during High School).
4. Use this information to complete your Course Registration Planning Form.
5. Share the information on your Course Registration Planning Form with your family!
6. Remember to keep in mind your extracurricular activities and family commitments when choosing courses with a heavy work load or after school commitments.

CLASSIFICATION OF STUDENTS

- 9th grade - Student promoted from 8th grade
- 10th grade - Student who has earned 6 credits
- 11th grade - Student who has earned 12 credits
- 12th grade - Student who has earned 19 credits

stay updated!



scan the QR code for Lake Howell's
website and social media

THANK YOU TO LAKE HOWELL'S WINGS YEARBOOK STAFF FOR THE PHOTOGRAPHS