

FREEDOM SENIOR HIGH SCHOOL



Course Selection Guide 2023-2024



STATE *of* FLORIDA GRADUATION REQUIREMENTS

| Subject Area | 24 Credit Program - Standard Diploma | Scholar Designation - Additions to 24 credit diploma requirements |
|--|---|---|
| English | 4 required Eng I, II, III, IV AICE(Cambridge) -Lang Or Eng Gen Paper sub for Eng III AP -Lit sub for Eng IV | Pass Progress Monitoring Exams |
| Mathematics | 4 required Alg 1 & Geometry + 2 other Industry certifications that lead to college credit may sub for two math credits other than Alg 1 & Geo. | 1 cr. Alg 2 1 cr. Stat or equally rigorous Pass Alg 1 EOC Pass Geo EOC |
| Science | 3 required - Bio 1 + 2 other 3 courses must be a lab science. Industry certifications that leads to college credit including computer science, may sub for one science credit other than Bio 1. | Pass Bio 1 EOC 1 cr. Chemistry or Physics 1 cr. Equally rigorous to Chem or Phys. |
| Social Studies | 3 required - World Hist, US Hist, US Govt [1 sem], Economics [1 sem] | Pass U.S. History EOC |
| Arts | 1 required Fine, performing or practical art or Speech/Debate | |
| Physical Education | 1 required - HOPE (Health Occupational Physical Education) 2 days health class - 3 days physical education Exemptions: Play 2 years of JV/Var sport or Naval Science | |
| World Language | 0 required At least 2 credits in the same language are required for admission into 4-year universities. | 2 credits in the same language |
| Electives | 8 required Bright Futures Scholarship Info on elective www.floridastudentfinancialaid.org | |
| Online Virtual Course | At least one course must be earned online. The entire course must be completed online so choosing a course that has 2 semesters, both must be taken. | |
| Minimum Graduation Credit | 24 credits | 24 credits One credit must be in AP, Dual Enrollment, AICE, IB |
| Accel Option for a Standard Diploma | 18 credits - All requirements above except: 3 Electives vs. 8 Electives HOPE & Online Virtual Credit not required | |
| Merit Designation | In addition to 24 credit std. diploma requirements, students pursuing merit designation must attain one or more industry certifications from the state approved list. | |
| Assessment Alternatives | Alg 1 EOC - PERT w/ a score of 97 or above. FSA Reading/Writing - ACT w/ a score of 19 or above or SAT w/ a score of 430 in Reading or above. | |
| Grade Point Average (gpa) | 2.000 unweighted or above. | |
| GPA Bonus Points | .04 - Honors designated courses .08 - AP/Dual Enrollment designated courses Must earn a C or above to receive bonus points. | |
| Graduation Exams | <u>Minimum Score Required:</u> FSA Reading/Writing Gr. 10 & Alg 1 EOC | <u>No Minimum Score Required:</u> Geometry EOC, Biology EOC, US History EOC |



COURSE CATALOG

Each Department appears in **Red**

Advanced Placement Courses and Dual Enrollment Courses Appear in **Green**

AP Courses require each student to sign a contract agreeing to complete the course.

AP Drop Deadline:

The 10th day of school is the last day to drop AP.

½ credit courses are one semester courses.

1 credit courses are one year courses.

Pre-requisite - A prior course must be taken before signing up for the course listed.

Co-requisite - Must be enrolled in a specific course at the same time as the course listed.

All courses are offered but require a minimum of 15 registered students in order to carry the course.

English

English I Honors

1 credit

Grade 9

This course is an introduction into the world of literature at a secondary level. Poetry, short stories, drama, novels, and nonfiction will be thoroughly explored during the year. Students will be introduced to authors from Shakespeare to Hemingway. In addition to these topics, writing will play an important part in this course's curriculum. The writing process and different styles and genres of composition will be taught. Students will be encouraged to write frequently in and out of class. This class will begin to prepare students for the rigorous academic challenges in English that await them after high school graduation. Finally, this course will help prepare students to take and successfully pass the reading and writing portion of state assessments.

English II Honors

1 credit

Grade 10

At this level, the literature is focused on writings from all over the world. The Western and Non-Western traditions of fiction, poetry, drama, and nonfiction will be fully explored. Students will spend time analyzing the cultural and theoretical meanings behind some of the classical works of literature. Again, a strong emphasis will be placed on writing, and written proficiency will be a high priority for all students. In preparation for post-secondary education, students will be encouraged to write often in and out of school on various topics. This class will help prepare students to take state assessments

Cambridge (AICE) English General Paper

1 credit

Grades 9 & 11

The Cambridge International AS Level English General Paper encourages learners to engage with a variety of topics, including knowledge and understanding gained from study of other subjects. They learn to become confident in analyzing knowledge and opinion from a variety of sources, to build arguments and to communicate through written English. Grade 9 takes this course with Eng Hon 1 to complete the AICE diploma. Grade 11 takes this course to complete year 3 of Florida graduation requirements.

English IV Honors

1 credit

Grade 12

During a student's final year in high school, the English class focuses on the literature from Great Britain. From this heritage, students will study the beginnings of the English language and Shakespeare to the modern poet laureate of England. Composition skills, grammar, novels, poetry, short stories, and drama will all be covered. The instructor will help provide a smooth transition from high school English into college composition.

Cambridge (AICE) English: Lang. & Comp.

1 credit

Grade 11

The AICE English Language course **gives learners the opportunity to study English language and its use in contemporary communication.** It aims to encourage a critical response to texts in a range of forms, styles and contexts, and to promote skills of communication, reading, research and analysis. Students who took AICE Eng Gen Paper in grade 9 will take this course in grade 11 to fulfill Florida graduation requirements.

Advanced Placement English: Lit. & Comp.

1 credit

Grade 12

Using literature ranging from Dante's Inferno to modern prize-winning novels, this class is a college level course that allows students the opportunity to earn college credit by taking the AP Exam in the spring. Intensive concentration on composition skills, narrative techniques, and comprehensive reading will fully prepare students for the exam designed by the National College Board Advanced Placement Program. Summer reading is required. Students must take the AP examination.

Advanced Placement Capstone Seminar

1 credit

Grade 10-12

The student will develop and strengthen their analytic and inquiry skills, exploring deeply topics and issues chosen by the student or teacher. They will learn to consider an issue from multiple perspectives, evaluate the strength of an argument and make logical, fact-based decisions. During the course, the student will complete a team project, an individual paper and presentation, and take a written end-of-course exam. The AP Seminar Exam score will be based on all three assessments using the 1-5 AP scale. The Capstone diploma can be earned upon successful completion of AP Seminar & AP Research in addition to four other AP courses chosen by the student.

Advanced Placement Capstone Research

1 credit

Grade 11-12

Prerequisite: AP Capstone Seminar

The student will complete an independent research project on a topic of interest to the student. At the end of the research project, the student will submit an academic thesis paper of about 5,000 words, present their findings and orally defend their work. The AP Research score will be based on the thesis, the presentation and the oral defense using the 1-5 AP scoring scale. The Capstone diploma can be earned upon successful completion of AP Seminar & AP Research in addition to four other AP courses chosen by the student.

Journalism I

1 credit

Grades 9-12

Is it your goal to work on the school newspaper or yearbook staff? Journalism 1 is an overview of journalistic media, its history and applications within the scholastic press.

Journalism 1 offers experiences in photography, graphic design, advertising, typography and media law and writing for a variety of purposes including news, feature, entertainment, sports and editorial coverage.

Journalism 2 - 4 Newspaper

1 credit

Grades 10-12

Prerequisites: Journalism 1 and/or teacher approval.

Do you want to be a part of an award-winning staff? The Revolution Newspaper has won awards at the national, state and local levels. Most importantly, newspaper improves writing and communication skills. Being a part of The Revolution staff provides the opportunity to have a unique glimpse into the lives of the people who make up the Freedom community. From news, to sports to entertainment and opinion, the staff covers a wide range of subjects. Staff members have traveled to conventions nationally (Chicago, Washington DC, Orlando) where they take part in workshops and compete against other student journalists.

Journalism 2 - 4 Yearbook

1 credit

Grades 10-12

Prerequisites: Journalism 1 and/or teacher approval

The Glory Yearbook is created by students, from cover to cover. Staff members will learn photography, design, interviewing, copy writing, social media, advertising and marketing while creating the yearbook. Staff members have been featured in national publications, podcasts and on social media campaigns. Our yearbook has been recognized as one of the best in the state by the Florida Scholastic Press Association for its theme, design, writing and photography. Staff members have traveled to conventions nationally (Chicago, Washington DC, Orlando) where they take part in workshops and compete against other student journalists. Staff members have also hosted workshop sessions at the district and state workshops on establishing a social media presence.

Creative Writing I - Sem 1

1 credit (must be taken with CWII)

Grades 9-12

This course promotes an appreciation for the art of writing and wish to pursue their talents further. In a workshop & lecture format, students will take part in poetry & nonfiction activities designed to enhance their command of the language. Students will, read, write, and respond to a variety of materials designed to guide them to a deeper understanding of what writing is & how they can increase their own abilities. Students may publish their work in a variety of forms and to seek opportunities for public display.

Creative Writing II – Sem 2

In a workshop/lecture format, students will take part in fiction and script writing activities designed to guide them to a deeper understanding of the craft and to lead them to a possible career in writing. Students will be encouraged to publish their work in a variety of forms and to seek opportunities for public display.



AVID 1 / 2

1 credit

Grades 9-12

Interested in going to college and receiving scholarships? AVID is a college preparatory program that focuses on college success for students, through supporting academics and increasing a school wide college going culture. Students must fall between the academic middle-high with a minimum gpa of 2.0 for application into the AVID Program. AVID students will be required to have enrollment in rigorous courses of study to establish a competitive college application to obtain enrollment. College scholarship application assistance will also be provided by the AVID coordinator, teachers, tutors, and peers. The AVID elective class provides students with an opportunity to build and sharpen the skills that will help them to be successful in advanced level classes including notetaking, organization, and questioning techniques, SAT/ACT prep, positive team building skills, and small group peer tutoring on a weekly basis. AVID supports students who wish to enroll into T2M4 (technical school, two-year college, military, and 4yr univ.) after high school and encourage all to apply on the website.

AVID 3 / 4

1 credit

Grades 10-12

Continuance of AVID college preparatory program with a direct focus on completing college entrance requirements, college funding, and financial literacy.

English I through ESOL

1 credit

Grade 9

This course helps students acquire English as a second language through listening, viewing speaking, reading, and writing. This language-based curriculum is supplemented with grade appropriate grammar and literature while addressing the needs of the individual student. Real life topics help students develop both language and critical thinking skills. Studies of holidays, entertainment, and social issues help students become acclimated to our national culture. Course requirements include the benchmarks from the Sunshine State Standards.



English II through ESOL

1 credit

Grade 10

Students are provided integrated educational experiences in listening, viewing, speaking, reading, and writing in order to gain language proficiency and independence in effective communication. The application of skills and strategies increases in complexity, as needed for the language proficiency of the individual student. Literature selections by American and British authors parallel those included in the high school curriculum. This course meets benchmark graduation requirements and is designed to provide students with skills for employment and college entrance.

English III through ESOL

1 credit

Grade 11

Offered for students who are developing and improving skills in English as a second language, this course offers strategies for effective communication through word study, informative, technical, and literary texts, grammar usage, viewing techniques, and the development of writing skills. Needs of individual language proficiencies are met as experiences and literary selections by American authors parallel the high school curriculum for juniors.

English IV through ESOL

1 credit

Grade 12

The purpose of this course is to provide whole language experiences of senior students who are native speakers of languages other than English. The research process, techniques for analyzing information and communication in formal and informal situations are included. Emphasis is placed on style and format in writing critical and aesthetic responses to British and world literature, and effective communication in the academic setting and the workplace. Graduation requirements and benchmarks from the Sunshine State Standards are met as the senior high school curriculum is paralleled.

Mathematics

Algebra Ia

1 credit

Grades 9

This course is Algebra 1, Semester 1 taught over a one-year period. This course is designed for those students who test low in math and require a slower pace.

Algebra Ib

1 credit

Grades 10

This course is Algebra 1, Semester 2 taught over a one-year period. This course is designed for those students who complete Algebra Ia.

Algebra I

1 credit

Grades 9

This course provides the foundation for more advanced mathematics and science courses and develops the skills needed to solve mathematical problems. The student will be introduced to scientific and graphing calculators. This is an entry level course for a college preparation course of study and fulfills the graduation benchmark.

Geometry

1 credit

Grades 9-12

Prerequisite: Algebra I w/ grade of D or higher.

The purpose of this course is to emphasize critical thinking involving the discovery of relationships and their proofs and applying the deductive method to mathematical situations. Topics include lines, planes, area, volume, polygons, and constructions.

Geometry Honors

1 credit

Grades 9-12

Prerequisite: Algebra I Honors w/ grade of C or higher.

This course provides a rigorous and in-depth look at the study of geometry with emphasis on using hands on investigations that lead to the discovery of relationships, methods of proof, and the formal language of mathematics.

Algebra II

1 credit

Grades 10-12

Prerequisite: Geometry & Algebra I w/ grade of C or higher.

The purpose of this course is to continue the study of the structure of Algebra and to provide the foundation for applying these skills to other mathematics and scientific fields. A graphing calculator will be used to help support the algebraic concepts introduced in this course.

Algebra II Honors

1 credit

Grades 10-12

Prerequisite: C or higher in Geometry Honors & Alg 1 Hon

The curriculum of this course begins the study of functions and their graphs. Each type of function (linear, quadratic, polynomial, exponential, logarithmic, rational, etc) will be examined. There is an emphasis on a multi-representational approach with concepts and results being expressed numerically, graphically, and algebraically. A graphing calculator is required.

Math for College Algebra

1 Credit

Grades 11-12

Prerequisite: Algebra 2

This course is designed to prepare students for college level algebra after Algebra 2. This course is an alternative to precalculus.

Probability & Statistics Honors

1 credit

Grades 11-12

Prerequisite: Algebra 2

In Probability and Statistics Honors, instructional time will emphasize four areas: (1) creating and interpreting data displays for univariate and bivariate categorical and numerical data; (2) comparing and making observations about populations using statistical data, including confidence intervals and hypothesis testing; (3) extending understanding of probability and probability distributions and (4) developing an understanding of methods for collecting statistical data, including randomized trials.

Advanced Placement Precalculus

1 credit

Grades 11-12

Prerequisite: Algebra 2 honors & Teacher Recommendation with a grade of A or B.

This course focuses on the study of functions, their graphs, and their applications. Each type of function (linear, quadratic polynomial, exponential, logarithmic, rational, and trigonometric, etc.) will be examined. There is an emphasis on a multi representational approach with concepts and results being expressed numerically, graphically, and algebraically. Applications of each type of function will be explored as well. A graphing calculator is required. Prerequisite for AP Calculus AB or BC. Students will study the content set forth by The College Board. Successful completion and satisfactory performance on the AP test may earn students' college credit. A graphing calculator is required.

Advanced Placement Calculus AB

1 credit

Grades 11-12

Prerequisite: C or better in Precalculus and teacher recommendation

The course is designed to replicate the course work of a beginning calculus class at the college level. Students will study the content set forth by The College Board. Successful completion and satisfactory performance on the AP test may earn students' college credit. A graphing calculator is required.

Advanced Placement Calculus BC

1 credit

Grades 11-12

Prerequisite: B or better in Precalculus and teacher recommendation

The course is designed to replicate the course work of college level Calculus. A more in depth look at calculus topics are studied. Students will study the content set forth by The College Board. Successful completion and satisfactory performance on the AP test can earn students' college credit. College Board will award BC as well as AB scores on the culminating test for this course. A graphing calculator is required.

Advanced Placement Statistics

1 credit

Grades 11-12

Prerequisite: Algebra 2 or Algebra 2 Honors and teacher Recommendation

This course is designed to be comparable to one semester of an introductory non-calculus-based college statistics course. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating

patterns, and statistical inference. Successful completion and satisfactory performance on the AP test may earn students' college credit. A graphing calculator is required.



CALCULATOR RECOMMENDATIONS

SCIENTIFIC (TI, 30XA)

Algebra I, Geometry, Geometry Honors

GRAPHING (TI-84 Plus)

Algebra II Honors, Precalculus, Calculus AB & BC, AP Statistics

Science

Environmental Science

1 credit

Grades 9

Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course.

Students will receive experience in the laboratory, classroom, or the field that provides opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models

Biology 1

1 credit

Grades 9-10

Prerequisite: Environmental Science or Physical Science

Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course.

Biology 1 Honors

1 credit

Grades 9-10

Prerequisite: Environmental Science or Physical Science w/ Grade of A or B.

While the content focus of this course is consistent with the Biology I course, students will explore these concepts in greater depth. In general, the academic pace and rigor will be greatly increased for honors level course work.

Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course.

Advanced Placement Biology

1 credit

Grades 11-12

Prerequisite: A/B in Biology Honors; A in Chemistry or B in Chemistry Honors

If you want to get a jump on your college career, this course is for you. It provides a college level study in biology and prepares students to receive credit and/or appropriate placement in college biology courses. The content includes molecular and cellular biology, organismal biology and population biology.

Anatomy and Physiology Honors

1 credit

Grades 11-12

Prerequisite: A/B in Biology Honors

Interested in a career in a medical field? Want to learn more about the human body and how it works? Anatomical structures of all body systems and their functions are covered in depth. Observing various tissues microscopically & a detailed dissection of the cat are among the many lab experiences that await you.

Forensic Science 1 Honors

1 credit

Grades 11-12

Be a real-life investigator! Discover the world of forensic science. Find out how real crime scene investigators solve crimes! Learn the techniques necessary to identify evidence. Participate in solving a crime each semester. Learn the genetics that can help identify the perpetrator(s). This course is hands-on with a great deal of research and lab experience.

Forensic Science 2 Honors

1 credit

Grades 11-12

Prerequisite: Forensic Science 1

Forensic Science 2 is part of a comprehensive course offering as a second-level high school course in Forensic Science. The focus of this course will be to further emphasize the value of crime scene evidence, build on concepts already introduced in Forensic Science 1, dive into popular case studies, and introduce additional topics, such as serial killers, arson, and forensic dentistry. This course combines basic theory and real laboratory mock crime scene experiments, creating an experiment-based situation for the better understanding of the students. The experiments used reinforce previously learned scientific principles rooted in Biology, Chemistry and physics beneficial for any student determined to go on to a career in the scientific field.

Chemistry I

1 credit

Grades 10-12

Pre/Co-requisite: Geometry

Chemistry I is a laboratory science course in which students investigate the composition of matter and the physical and chemical changes it undergoes. Students use science process skills to study the fundamental structure of atoms, the atoms combine to form compounds, and the interactions between matter and energy. Students explore chemistry concepts through an inquiry-based approach. Embedded standards for Inquiry and Mathematics are taught in the context of the content standards for Atomic Structure, Matter and Energy, and Interactions of Matter.

Chemistry I Honors

1 credit

Grades 10-12

Pre/Co-requisite: Algebra 2

A rigorous study of the composition, properties and changes associated with matter. The content includes heat, changes of matter, atomic structure, periodic table, bonding, formulas, and equations, mole chemistry, electrochemistry and organic chemistry.

Advanced Placement Chemistry

1 credit

Grades 11-12

Prerequisite: Successful completion of Chemistry 1 Honors

A second year Chemistry class for motivated students, AP Chemistry spans two semesters of traditional college chemistry. As a result, students can earn up to eight hours of college credit based on their exam results. Highly recommended for students planning to enter a medical field, AP Chemistry will help you develop your analytical thinking skills. AP Chemistry goes into greater depth over topics explored in a first year Chemistry course, then expands into kinetics, thermodynamics, and electrochemistry.



Principles of Tech (Conceptual Physics)

1 credit

Grades 10-12

Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week in this course.

Physics 1 Honors

1 credit

Grades 10-12

Pre-requisite: Alg 2 - C or above

Newtonian Physics at its finest! From Galileo, Kepler, Newton to Hawking, we study concrete examples of kinematics, dynamics, energy transformations and the processes involved. You need a good working knowledge of mathematics to enjoy the equation manipulations often necessary to understand these energy transformations. Second semester, we discover concepts about light, heat, sound, magnetism electricity and nuclear particles. Throughout the year, you will have many hands-on lab experiences.

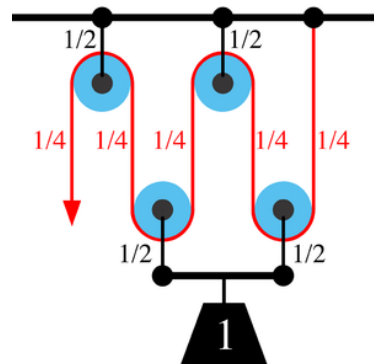
Advanced Placement Physics 1

1 credit

Grades 11-12

Pre-requisite: Physics 1 Honors C or above

This course is the equivalent of a first-semester college course in algebra-based physics, but it is designed to be taught over a full academic year to enable AP students to develop deep understanding of the content. This course covers Newtonian mechanical waves and sound. It also introduces electric circuits.



Cambridge (AICE) Environmental Management

1 credit

Grades 10-12

Pre-requisite: Biology

The AICE Environmental Management course is designed to be the equivalent of a **one-semester introductory college course in environmental science**, through which students engage with the scientific principles, concepts, and methodologies as required to understand the interrelationships of the natural world.



Social Studies

Advanced Placement Human Geography

1 credit

Grade 9-12

The purpose of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn methods and tools geographers use in their science and practice. Summer reading is required

HUMAN GEOGRAPHY



World Cultural Geography

1 credit

Grade 9

The grade World Cultural Geography course consists of the following content area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the study of world cultural regions in terms of location, physical characteristics, demographics, historical changes, land use, and economic activity. Content should include, but is not limited to, the use of geographic tools and skills to gather and interpret data and to draw conclusions about physical and human patterns, the relationships between physical geography and the economic, political, social, cultural and historical aspects of human activity, patterns of population growth and settlement in different cultures and environments, the interaction between culture and technology in the use, alteration and conservation of the physical environment, and the interrelationships and interdependence of world cultures.

World History Regular & Honors

1 credit

Grade 10

This course provides students with the opportunity to acquire a comprehensive understanding of the past in terms of what has been interpreted about change or process as it relates to the development of humanity. You will analyze the political, economic, social, religious, military, dynastic, scientific, and cultural events that have shaped and molded humanity. Implicit in this is an understanding of interpretation, and the issues of external and internal validity.

Advanced Placement World History

1 credit

Grades 10-12

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 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.

US History Regular & Honors

1 credit

Grade 11

This course provides students with an in-depth study of American history from the Civil War to the contemporary issues that face American citizens. The emphasis is on developing an understanding of American life and attitudes today by looking at our political, social, and economic past.

Advanced Placement US History

1 credit

Grade 11

AP US History is an American history course which chronicles our country's history from early exploration through to present times. Students can earn AP points for this class, as well as an opportunity to earn college credit by passing an AP exam at the end of the year. It will require a great deal of dedication and responsibility on the student's part, but with that dedication students will learn the writing and study skills to be successful in other future courses. Class discussion and debates make this an exciting history course!

US Government Honors

1/2 credit

Grade 12

This course provides students with the opportunity to acquire a comprehensive understanding of American government and political behavior. Students will be asked to analyze and incorporate information dealing with our political structure. Major documents dealt with in this course include the Declaration of Independence, The Constitution, and The Bill of Rights.

Economics Honors

1/2 credit

Grade 12

This course provides students with the opportunity to acquire an understanding of the way in which society organizes its limited resources to satisfy unlimited wants. Students will be introduced to the major characteristics of the mixed market economic system in the U.S.A. & how the basic economic questions are answered.

Advanced Placement Micro Economics

1/2 credit

Grade 12

[Must be taken as a year course with Macro Econ]

This course is designed to provide students with a thorough understanding of the principles of economics as they apply to individual decision-making units, including individual households and firms. The course provides an opportunity for the student to earn college credit and/or an advanced standing and prepares students for rigorous college work & AP examination.

Advanced Placement Macro Economics

1/2 credit

Grade 12

[Must be taken as a year course with Micro Econ]

This course is designed to provide students with an understanding of the American economy as a whole. Learn about world trade, the effect spending has on an economy, and the Gross Domestic Product. The student will take the Advanced Placement exam.

Advanced Placement American Government

1/2 credit

Grades 11-12

This course is intended for qualified students who wish to complete studies in secondary school equivalent to a one-semester college introductory course in American government and politics. The student will take the Advanced Placement examination.

Advanced Placement Comparative Politics

1/2 credit

Grades 11-12

This course introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. Six countries form the core of the AP Comparative Politics course: China, United Kingdom, Iran, Russia, Mexico, and Nigeria. The student will take the AP examination.

Sociology

1/2 credit

Grades 9-12

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

World Religions

1/2 credit

Grades 9-12

This course consists of the following content area strands: World History, Geography and Humanities. The primary content emphasis for this course pertains to the study of major world religious traditions of Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism and Taoism. Students will identify criteria upon which religious beliefs are based, analyze relationships between religious and social and political institutions, trace the major developments of the world's living religions, distinguish the similarities and differences among the world's major religious traditions, synthesize information and ideas from conflicting religious beliefs, and interpret the development of a society as reflected by its religious beliefs.

Law Studies

1/2 credit

Grades 9-12

Do you know the differences in 1st, 2nd, and 3rd degree murder? Can you tell which crimes deserve a life-or-death sentence? Do you know what your constitutional rights are? Do you know your rights if a police officer stops you? These are the questions that are answered in Law Studies, a mini-law course that examines the legal process of the U.S. with an emphasis on Florida Law. If you plan to go into law or want to be informed about the most important issues today then this course is for you!

Court Procedures

1/2 credit

Grades 9-12

This class gives students the chance to learn about the court system, the gathering of evidence, the legal research involved in putting on a trial and the procedures used in a trial. Students will then participate in a mock trial acting out the various roles of the court personnel. If you want drama in the courtroom then take Court Procedures.

Legal Systems

1/2 credit

Grades 9-12

This course includes, but is not limited to, the historical antecedents of laws and the basis for the creation of laws, the background, principles and applications of the United States Constitution, the rights protected by the Constitution and precedent-setting cases related to these rights, the process for enacting criminal laws at the state and local levels, the stages of the criminal justice system, the government and private agencies which provide services to individuals accused of crimes, the citizen's role in the legal system, the role of women and diverse cultural groups within the justice system, and careers in the justice system.

Advanced Placement Psychology

1 credit

Grades 11-12

Want to earn college credit, learn some new study skills, challenge yourself AND learn about the human condition at the same time? AP Psychology offers all that and more! In AP Psychology, students in grades 10-12 can get an introduction into the human condition and what makes us who we are. We cover topics from foundations of psychology to biological basis of behavior, from developmental psych to clinical psych. We design experiments and participate in labs. AP Psychology offers an introduction to college level work and expectations and prepares students for the AP Exam in May.

Cambridge (AICE) Psychology

1 credit

Grades 10-12

This course provides an **in-depth study of key biological concepts** as outlined by the Cambridge Program Standards. This course emphasizes the application of knowledge, scientific methods and procedures, and independent research. At the end of this rigorous and demanding course students will sit for the 3-part AICE exam.

Leadership Skills Development (SGA)

1 credit

Prerequisite: Student Government Association Election

As an elected officer or executive board member, you'll learn how to plan and implement top quality FHS events like Homecoming and Pep Rallies. You'll identify your strengths and work with others in becoming an all-around leader.

Engaged Citizenship I & II (student tutor)

1/2 credit

Grades 12

Students who are in good standing and are in the top 10% of their class have an opportunity to co-teach with an instructor. The student will conduct small group instruction and field questions in a lower-level courses. Grades will be assigned on the effectiveness and consistency of the senior working with students. No exams or curriculum is associated with this course.

Non-Departmental

Cambridge (AICE) Thinking Skills

1 credit

Grade 9-12

Thinking Skills develops a specific set of intellectual skills, independent of subject content. It reflects the need voiced by universities and employers for more mature and sophisticated ways of thinking.

Career Education

Digital Academy information located at the end of this guide.

Advanced Placement Computer Science Principles

1 credit

Grades 9-12

This course offers a multidisciplinary approach to teaching the underlying principles of computation. Introduction of creative aspects or programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns & computing aspects will take place. Opportunities to use technology to address real-world problems & build relevant solutions. Students will have opportunities to earn industry certifications.

Principles of Agribusiness

1 credit

Grades 10-12

This course provides technical skill proficiency and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning & problem-solving skills, work attitudes, general employability skills, technical skills and occupation-specific skills and knowledge of all aspects of the agribusiness sector within the Agriculture, Food and Natural Resources career cluster. Application of economic and business principles involved in organization, operation and management of farms and agricultural business. **(This course replaces the economics requirement for graduation.)**



Veterinary Assisting 1

1 credit

Grades 9-12

This course is designed to develop competencies in areas such as the history of the animal industry; applied scientific and technological concepts; safety; terminology; careers; breed identification; animal care and human relations skills.

Veterinary Assisting 2

1 credit

Grades 9-12

This course is designed to develop competencies in areas such as basic first aid; scientific and technological; tools and equipment; breed identifications expanded and functions of systems.

Veterinary Assisting 3

1 credit

Grades 9-12

This course is designed to develop competencies in the areas animal digestive systems; animal breeding; animal control; animal overpopulation; animal related laws; and breeds.

Veterinary Assisting 4**

1 credit

Grades 9-12

This course is designed to develop competencies in the areas of animal welfare and rights; research; record keeping; disease and parasites. ****In order to reach Veterinary Assisting 5, you will need to double block two Vet Assisting courses in one of your 4 years. Certification is achievable.**

Veterinary Assisting 5

1 credit

Grades 9-12

This course is a dual enrolled college course resulting in a veterinary assisting certification.

FAMILY & CONSUMER SCIENCES

Nutrition and Wellness

1 credit

Grades 9-12

A scientific based course that explores the components of wellness, healthy food choices, 6 basic nutrients and their food sources, food safety and storage, how to interpret food facts labels, etiquette, and MyPlate.

Principles of Food Preparation

Basic food preparation skills for beginner cooks. Students will learn the causes of foodborne illness, proper food storage, 6 basic nutrients and their food sources, appetite appeal, the social significance of dining (etiquette), and the cultural aspects of foods.

This course is taken as one block.

Family & Consumer Science

1 credit

Grade 9-12

The purpose of this course is to assist students in making informed decisions regarding their future academic and occupational goals and to provide information regarding careers in the various career clusters. The content includes but is not limited to food preparation and nutrition, fashion and interior design concepts, personal finance, healthy relationships, and childcare practices. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the equipment, materials and technology appropriate to the course content and in accordance with current practices.

BUSINESS

Customer Service Representative I, II, III & IV

(Teacher/Office Assisting)

1 credit

Grades 9-12

Prerequisites: 2.0 GPA, counselor approval

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 in the Marketing, Sales and Service career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Marketing, Sales and Service career cluster. The purpose of this program is to prepare students for employment in customer service occupations such as customer service representative, customer service consultant, customer service agent, and customer care manager. The program is designed to prepare students for employment in entry level positions involving customer service activities. **Students will be assigned to an office or department as a Student Assistant for part of the week to get hands on practice and work on skills. We also offer DECA and many opportunities to get community service hours.**

Principals of Entrepreneurship

1 credit

Grades 9-12

This course provides instruction in the basic principles of entrepreneurship including the role of the entrepreneur, entrepreneurship as a career, ethics in business, and the principles of marketing, financing, and managing a technology related business. Students will create a business, develop a marketing plan, design a website, and pitch their business concept to a group of local "sharks". Students will have opportunities to earn industry certifications.

Business Ownership

1 credit

Grades 10-12

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 in the Marketing, Sales and Service career cluster; provides technical skill proficiency and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills and occupation-specific skills, and knowledge of all aspects of the Marketing, Sales and Service career cluster.

The purpose of this program is to prepare students for careers as entrepreneurs, present entrepreneurship as a career path worthy of consideration, provide students with the skills needed to realistically evaluate their potential as business owners and to develop the fundamental knowledge and skills necessary to start and operate a business.

The content includes, but is not limited to, the essential competencies required to operate a small business.

The planning and operation of a simulated business are an important part of the instruction of this course.

Digital Information Technology

1 credit

Grades 9-12

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Digital Information Technology includes the exploration and use of databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards.

Cyber Security

1 credit

Grades 10-12

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 cybersecurity-related careers in the Information Technology career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of cybersecurity.

The content 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. Specialized courses focus on database security, planning and analysis, software, and web security.

3D Animation 1 - 4

1 credit

Grades 9-12

Prerequisite: Recommended Digital Info Tech

The 3D Animation course exposes students to the range of traditional and digital techniques used in stop-motion, Claymation, 2-D and 3-D computer animation. Students learn basic history as well as basic theory and mechanics behind animation, develop observational and drawing skills, and study the fundamental principles of character design, layout and storyboarding. Specialized software, called Maya, is used to create 3-dimensional images that are used in the animation. Much of this class is spent becoming familiar with the software and creating short 3-dimensional animations used for film or video games. Maya is used by industry powerhouses like Fox, Cartoon Network, and DreamWorks. While using the same software that is used by the pros in the industry, students will have the opportunity to earn an industry certification that will give them a leg up on other aspiring animators. Students will use Adobe Animate CC while learning 3D animation while also having the opportunity to earn industry certifications.

Video Game Design 1 (ESPORTS)

1 credit

Grades 9-12

Video Game Design Foundations provides students with a complete understanding of the technological and creative aspects of video game design in an easy-to-follow format. This course is designed to take any student from novice to expert. Students will have opportunities to earn industry certifications.

Video Game Design 2 (ESPORTS)

1 credit

Grades 9-12

Prerequisites: Video Game Design I

Building on the knowledge learned in Gaming II, students will learn more in depth concepts relating to game design. Students will build more complex games. Students will have opportunities to earn industry certifications.

Video Game Design 3 (ESPORTS)

1 credit

Grades 10-12

Prerequisites: Video Game Design 2

Building on the knowledge learned in Gaming III, students will learn more in depth concepts relating to game design. Students will build more complex games and learn to launch and execute the programs. Students will have opportunities to earn industry certifications.

TV Production I

1 credit

Grade 9-12

This course provides opportunities for students to develop skills in history of television; basic video camera functions and operation; postproduction skills in graphics, audio and video editing; the art of storytelling, scriptwriting and storyboarding; direction and production of video projects. Students in TV Production I will work towards earning an Industry Certification in Adobe Premiere Pro CC editing software and produce the following major projects: interview, public service announcement and movie scene recreations.

TV Production II

1 credit

Grade 10-12

Prerequisite: TV Production I & Adobe Premiere Pro CC Cert

The purpose of this course is to exhibit the ability to apply television skills in the planning, directing and recording of television programs, demonstrate the ability to write script and dialogue for a television program and demonstrate the ability to produce a television program. Students will be introduced to the concept of film-style production and Adobe After Effects, and work towards adding an Adobe Affects industry certification to their resume. *Remove the portion of description of student projects and replace with "TV Production 2 students manage the FTV Morning Show and also begin working on county and statewide film competitions with the following projects: Movie Trailer creations, Public Service Announcements, professional style broadcast packages, and short films."*

TV Production III & IV

Prerequisite: TV Production 2 / 3

1 credit

Grade 11-12

The purpose of this course is to introduce responsibility of producing and editing the school's morning show which includes scheduling of stories, editing of stories and creative decision making. TV Production 3 & 4 determine assignments for TV Production 1 & 2.

Sports, Entertainment, Recreational Marketing

1 credit

Grades 9-12

This class introduces students to the components of sport, recreation, and entertainment marketing and sales industry. The content includes employability skills; selling techniques; public relations and publicity; event planning and execution; and licensing, sponsorship, and endorsements.

Cambridge (AICE) Travel & Tourism

1 credit

Grades 9-12

The AICE Travel and Tourism course encourages students to appreciate the scale and importance of the travel and tourism industry in the world. Students will also learn about the positive and negative impacts the industry may have on people, environments, and economies.

Accounting

1 credit

Grade 9-12

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 an Information Technology Assistant, Accounting Clerk, Accounting Associate, and Accounting Assistant in the Business Management and Administration career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupationally-specific skills, and knowledge of all aspects of the Business Management and Administration career cluster.

The content includes but is not limited to double-entry accounting principles; methods of recording business transactions; preparation and analysis of various documents and financial statements; payroll records and tax forms; accounting control systems; account and transaction analysis; inventory methods; the aging process; depreciation; and the application of accounting principles to various entities.

ROTC

Naval Science I

1 credit

Grades 9-12

Materials: The Cadet Field Manual and Introduction to NJROTC. Content: NJROTC Core Values, Operational Risk Management, Personnel Inspections, Physical Fitness, Introduction to Military Drill, First Aid, Orientating and Survival, Citizenship, Foundations of our Government, Naval Ships and Naval Aviation.

Naval Science II

1 credit

Grades 10-12

Prerequisite: NS I, teacher approval

Materials: Maritime History and Nautical Sciences Content: Condensed maritime history of the world and the U.S. maritime geography, oceanography, meteorology and weather, astronomy and physical science.

Naval Science III

1 credit

Grades 11-12

Prerequisite: NS II, teacher approval

Materials: Naval Knowledge and Naval Skills & Orientation
Content: Sea power and national security, U.S. Merchant Marine, International law and the sea. Shipboard organization and watch standing. Seamanship: marlinespike, deck & small boat handling. Nautical rules of the road, navigation & time, maneuvering board. Ship construction and damage control.

Naval Science IV

1 credit

Grade 12

Prerequisite: NS III, teacher approval

Materials: Naval Leadership (readings) and Naval Ethics (cases) Content: Leadership scenes for motion pictures. How to give instruction. Military ethic/situations and case results.



Fine/Performing Arts

Band I

1 credit

Grades 9-12

Be a part of the finest at Freedom! Join the Marching Patriots. Band I is a continued study opportunity for instrumental students who have had previous middle school experience. The content includes study and performance in marching band, concert band, solo and ensemble. Band I is a course based on individual and group performances and includes after school rehearsals, concerts and festivals.

Band II-IV

1 credit

Grades 10-12

Prerequisite: Audition, teachers' approval

Be a part of the finest at Freedom! Join the Marching Patriots. Band II-IV offers continued study for band instrumental students who have completed Band I. The content includes marching band, concert band with moderate to difficult literature, solo and ensemble. Band II-IV is a course based on individual and group performance and includes after school rehearsals, concerts and festivals.

Orchestra I

1 credit

Grades 9-12

Prerequisite: Previous middle school orchestra experience

Join the Freedom Patriot Orchestra! Orchestra I is for students who have played violin, viola, cello or bass in middle school orchestra or for high school students with previous experience who are taking orchestra for the first time in high school. Concerts feature fun music including classical, music from the movies, pop, Disney, and more! Orchestra also participates in local field trips. Some after-school rehearsals and concerts are required as well as fees for supplies.

Orchestra II-IV

1 credit

Grades 9-12

Prerequisite: Orchestra I

Orchestra II-IV is a continuation of all that was learned in Orchestra I or in the previous year. Experienced orchestra students are given opportunities to challenge themselves musically and help shape orchestra activities for the year. Like Orchestra I, these courses require some after-school rehearsals and concerts as well as fees for supplies.

Piano I - IV (keyboarding)

1 credit

Grades 9-12

No experience required! Learn to play the piano! Learn to read music! Under your teacher's supervision, you will work at your own pace developing piano skills and learning music theory. You will also have opportunities to perform as your skills improve. Program fee of \$15 which includes a piano for you to use adaptor, and your own book at school, a headphone

Guitar I

1 credit

Grades 9-12

No experience required! Students will learn the basics including chords, note reading, and rhythm. After taking the course, students should play well enough to go on to Guitar II or to continue learning on their own. Students are provided a guitar to use at school. Annual supply fee is \$15.

Guitar II - IV

1 credit

Grades 10-12

Prerequisite: Guitar I or MS guitar class or teacher approval

This course is a continuation of concepts in Guitar I as well as learning more challenging music and music in which students are interested. Guitar II students will have opportunities to perform and field trips depending on interest. Students are provided a guitar to use at school and are also encouraged to have a guitar at home for practice. Annual supply fee is \$15.

Advanced Placement Music Theory

1 credit

Grades 11-12

Requirements: Must be enrolled in a traditional music class simultaneously.

This course corresponds with typical, introductory college music theory coursework such as musicianship, theory, and musical materials/procedures. Musicianship skills, including dictation and listening, sight-singing, harmony is of importance. Students will develop the ability to recognize, understand and describe basic materials and processes of tonal music that are heard or presented in score. Development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts & terminology by listening to and performing a wide variety of music. Notational skills, speed and fluency with basic materials are emphasized. **Offered every other year.**

Women's Choir - Chorus I-IV

1 credit

Grades 9-12

This course is a beginning class for female students. Students in this class will learn basic singing techniques, how to read music and never have to sing alone. Students will sing music ranging from classical to pop. This class is perfect for anyone who wants to learn how to sing but has little to no experience or may be nervous to sing alone or for those who have experience singing in middle school, but not in high school. Solos are optional for those who wish to reach the highest level of musicianship. Occasional after-school rehearsals and concerts are required.

Men's Choir - Chorus I-IV

1 credit

Grades 9-12

This course is a beginning class for male students. Students in this class will learn basic singing techniques, how to read music and never have to sing alone. Students will sing music ranging from classical to pop. This class is perfect for anyone who wants to learn how to sing but has little to no experience or may be nervous to sing alone or for those who have experience singing in middle school, but not in high school. Solos are optional for those who wish to reach the highest level of musicianship. Occasional after-school rehearsals and concerts are required.

Vocal Techniques I-IV- (Bella Voce)

1 credit

Grades 9-12

Prerequisite: Audition, teachers' approval

This course is an intermediate to advanced class for male/female students. Auditions for this class happens in May of each school year. Students will learn more advanced vocal techniques and will learn how to read more challenging music. Vocal Tech is perfect for anyone who is passionate about developing their vocal skills and wishes to excel to the highest level of musicianship. Occasional after-school rehearsals and concerts are required.

Vocal Ensemble I-IV- (Bravo Company)

1 credit

Grades 10-12

Prerequisite: Audition in spring, Teacher approval

Requirements: Must be enrolled in a traditional music class simultaneously.

This class is an advanced show choir. Auditions for this class happen in May of each school year. Students in this class will learn how to sing in the vocal jazz style. Students also learn and perform choreography. This class is perfect for anyone who is passionate about performing. Students in this class are also required to be in a traditional chorus class. Occasional after-school rehearsals and concerts are required.

Musical Theater 1, 2, 3 & 4

1 credit

Grades 10-12

Prerequisite: Chorus 1 or Theatre 1

Requirements: Audition, teachers' approval

This course is an intermediate chorus class and focuses on singing, acting and dancing techniques in the musical theatre style. Students in this class should be comfortable with performing and should have some experience singing. This class is perfect for anyone who wishes to excel in the three performance areas of singing, acting and dancing. Students are required to participate in the school musical. This class is open to males and females.

Theatre I

1 credit

Grades 9-12

Students in Intro to Theatre will learn about skills including acting, improvisation, public speaking, stage combat, choreography, play script writing, and student directing. Students will put on shows for class, and the student body at theatre showcase nights! Some notable performances include a haunted house attraction, holiday play, festival style Shakespeare performance, and an interactive murder mystery. In this class, there will be REQUIRED performance assessments each Quarter, and students may have some after school responsibilities. All performances and rehearsal commitments will be communicated via the program calendar.

Theatre II – IV (Troupe #6529)

1 credit

Grades 10-12

Prerequisites: Theatre I

Students will challenge themselves by performing in honors society festivals including Individual Events. Students will learn acting techniques that will prepare them to perform in a One Act play in the first semester and a full-length play in second semester! In this class, there will be REQUIRED performance assessments each Quarter, and may have some after school responsibilities. All performances and rehearsal commitments will be communicated via the program calendar.

Technical Theatre

1 credit

Grades 9-12

Students will be the star backstage! Acquire practical and transferable skills in the entertainment industry such as stage managing, set building, make up design, sewing, lighting design, and sound design. In this class, there will be REQUIRED production design assessments each Quarter, and may have some after school responsibilities.

Creating 2-D Art

1/2 credit

Grades 9-12

This course is an introduction to 2-dimensional art methods such as drawing, painting, color theory, mixed media, pen and ink. Media such as watercolor, acrylic, colored pencil, charcoal and pastel will be introduced. Students will be exposed to the study of Art History from various cultures, as well as contemporary works.

2-D Studio Art II

1 credit

Grades 10-12

Prerequisite: Creating 2-D Art

Develop & refine technical skills & create 2-D compositions with a variety of media in drawing, painting, printmaking, collage, design. Student artist's sketch, manipulate & refine the structural elements of art to improve mark-making and/or the organizational principles of design in a composition from observation, research, imagination. Through the critique process, students evaluate & respond to their own work & that of their peers. Incorporation of hands-on activities & consumption of art materials.

3-D Studio Art II

1 credit

Grades 10-12

Prerequisite: Creating 3-D Art

If you enjoy sculpting, this course is for you. Work on intermediate to advanced works in preparation for AP 3D Studio Art. This course encourages experimentation & growth as well as synthesis between concept, materials & process.

Ceramics and Pottery I

1 credit

Grades 9-12

Create beautiful pieces, either sculptural or functional pottery. There will be limited time on the wheel. Learn basic techniques of glazing and firing your creations. Keep your finished pieces as prized possessions.

Ceramics and Pottery II

1 credit

Grades 10-12

Prerequisite: Ceramics and Pottery

Would you like to make your own clay artworks in a more advanced classroom setting? Learn more about the potter's wheel and glazing. Space is limited. This a great course to prepare for AP 3D Studio Art. This course also encourages experimentation and growth as well as synthesis between concept, materials, and process.

Creating 3-D Art

1/2 credit

Grades 9-12

Have you ever wanted to learn how to sculpt a face out of clay or create 3-D designs? Have you ever wanted to create a mask? This class is for the beginning student who would like to learn about ceramics, sculpture, and 3-D collage. We will work with clay, plaster and much more.

Advanced Placement Studio Art: Drawing

1 credit

Grades 11-12

Prerequisites: 2D Studio Art 2 & instructor's approval.

Directed by the national standards and objectives board, this course adheres closely to the latest college entrance requirements. The student is responsible for artwork, which is high in quality, breadth, and concentration. Students will construct a portfolio and take slides as documentation of the required criteria and work independently according to the requirements and guidelines. Students culminate with 24- 40 slides of original artwork to include in their portfolio.

Advanced Placement Studio Art: 2D Design

1 credit

Grades 11-12

Prerequisites: 2D Studio Art 2 and instructor's approval.

This course maintains a focus on design principles and is for the accelerated student who excels in any 2D media. The portfolio includes further studies in a variety of advanced design techniques and conceptual development. There will be a three-part portfolio developed for College Board review with the potential for college credit.

Advanced Placement Studio Art: 3D Design

1 credit

Grades 11-12

Prerequisites: Ceramics and instructor's approval.

If you enjoy sculpting, this course is for you. Work like a professional artist on your own series. Each student is responsible for making original artwork which is made in a series of 12-15 sculptures. This series must show experimentation and growth as well as synthesis between concept, materials and process. Students will construct a portfolio and take photos as documentation of the required criteria and work independently according to the requirements and guidelines. Students culminate with at least 2 images of each of 17 (minimum) works of original artwork to include in their portfolio. Directed by the national standards and objectives board, this course adheres closely to the latest college entrance requirements.

Digital Art Imaging I

1 credit

Grades 9-12

Students explore the fundamental concepts, terminology, techniques, and applications of digital imaging to create original work. Students produce digital still images through the single or combined use of computers, digital cameras, scanners, photo editing software, drawing, and painting software, graphic tablets, printers, new media and emerging technologies. Through the critique process, students evaluate and respond to their own work and that of their peers to measure artistic growth. All digital camera equipment is included for all students to use, and no personal equipment is needed for the course. **Adobe Certification opportunities will be given in both Adobe Illustrator and Adobe Photoshop throughout the year.**

Digital Art Imaging II / III

1 credit

Grades 10 - 12

Prerequisite: Dig Img II (Dig Img 1) / Dig Img III (Dig Img 2)

This course gives students an advanced level of understanding of photographic imagery. Students should want to enhance their knowledge, technical ability and skills in advanced digital photography and software. All digital camera equipment is included for all students to use, and no personal equipment is needed for the course. **Adobe Certification opportunities will be given in both Adobe Illustrator and Adobe Photoshop throughout the year.**

Creative Photography I

1 credit

Grades 9-12

Students explore the aesthetic foundations of art using beginning photography techniques. This course will include, color, black and white along with photographic manipulation via digital media. Students become familiar with the basic mechanics of a camera, including lens and shutter operation, compositional foundations, printing an image for display, and evaluating a successful print. Student photographers may use a variety of media and materials, such as single lens reflex camera, backdrops, flash equipment along with computer software such as Adobe Lightroom and Photoshop. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials. All digital camera equipment is included for all students to use and no personal equipment is needed for the course. **Adobe Certification opportunities will be given in Adobe Photoshop throughout the year.**

Creative Photography II

1 credit

Grades 10-12

Students experiment with a variety of photographic media and techniques and make connections with historical and contemporary photographers to develop a focused body of work. This course may include, but is not limited to, researching the history of photography, making connections to contemporary and community photographers, critiquing with varied techniques, and experimenting with a variety of photographic media. Processes and techniques include, but are not limited to, handcrafted pinhole cameras, hand-tinted photographs, mixed media, cyanotypes, medium format, photo collage, cross-processing, creative filters, infrared and slide film, night photography, macro, panoramic, and/or digital output via a variety of media. Craftsmanship and quality are reflected in the surface of the prints, care of the materials, attention to compositional conventions, and expression of ideas and feelings. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials. All digital camera equipment is included for all students to use and no personal equipment is needed for the course.



Physical Education

Volleyball I & II (this course is a year course)

1/2 credit

Grades 9- 12

Designed to improve your volleyball skills for whatever reason you choose! You can be a great beach player, tryout for teams, or simply have fun. Proper techniques will be taught. Two-, three-, four-, and six-man tournaments will be played, but most of all we have fun. Competition at all levels.

Basketball I & II (this course is a year course)

1 credit

Grades 9-12

Prerequisite: BB 2 must have completed BB 1.

Hoop-There it is! Do you dribble too much? Do you shatter backboards with your shots? We have the course for you! Learn and enjoy the game of basketball through tournaments, and contests as well as individual and team competition. (Includes 1 on 1, 3 on 3, and 5 on 5 games)

Weight Training I & II

1/2 credit

Grades 10-12

Prerequisite: Wgt Trng 2 must have completed Wgt Trng 1

A body is a terrible thing to waste! Take your body to the next level! Provides students the opportunities to acquire basic knowledge and skills in weight training that may be used in physical fitness and athletic pursuits, improve strength and endurance, and enhance body image.

Weight Training III

1/2 credit

Grades 10- 12

Prerequisite: Weight Trng 1 & 2

Opportunities for students to further extend the acquisition of knowledge and development of skills in weight training that may be used in physical fitness pursuits, improve muscular strength and endurance, and enhance body image.

Weight Training IV (Power Weight Training)

1/2 credit

Grades 10-12

Prerequisites: Weight Training 1, 2 & 3 or instructor approval.

The purpose of this course is to enable students to acquire basic knowledge and skills in power weight training and to maintain or improve health-related fitness. Appropriate instructional practices and assessments are used to elicit evidence of student understanding and proficiency of course specific benchmarks related to **Cognitive Ability, Movement Competency, Lifetime Fitness, and Responsible Behavior and Values**

Topics include but are not limited to:

- Safety Practices
- Terminology
- Musculoskeletal System
- Muscular Strength and Endurance
- Biomechanical and Physiological Principles
- Theories, Concepts and Skills
- Weight Training Programs
- Implementation & Eval. of a Personal Wght Trng Program
- Weight Training Activities for Fitness

Soccer – Sem 1

1 credit

Grades 9-12

Learn or improve your soccer skills. We'll have competitions from 1v1 to 2v2. Class will include work on tactics as well as techniques and will include indoor and outdoor soccer. Take your game to the next level!

Team Sports I – Sem 2

Grades 9- 12

The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement, knowledge of team sports concepts such as offensive and defensive strategies and tactics, and appropriate social behaviors within a team or group setting. The integration of fitness concepts throughout the content is critical to the success of this course.

Individual & Dual Sports 1 - Sem 1

1/2 credit

Grades 9-12

Interested in working on your Racquet sports? This course offers Tennis, Table Tennis, and Badminton. Learn how to serve, volley & gain the knowledge of the racquet sports as you can burn calories while having fun. Master your swing so you can be the next Rafael Nadal or Serena Williams.

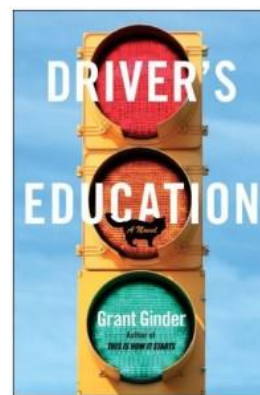
Driver's Education

1/2 credit

Grades 10-12

Prerequisites: Must be 15 years of age or older and must have a valid learner permit by the 10th day of class. Students must maintain a B or higher in the class to qualify to take the driving exam.

The purpose of Driver Education is to introduce students to the transportation system and to strategies, which will develop driving knowledge, and skills related to today's and tomorrow's motorized society. This course also will provide an in-depth study of the scope and nature of accident problems and their solutions. Students must pass a drug and alcohol written test.



Personal Fitness Trainer

1 credit

Grades 11-12

This course will provide students with a foundation of fitness knowledge & skill that will adequately prepare the student for a career as a Fitness Professional. Instruction will include: Muscle Physiology, Cardiorespiratory, Physiology, Basic Energy Metabolism, Training Adaptions, Applied Exercise Physiology, Basic Kinesiology & Musculoskeletal Anatomy, Safety & Exercise, Resistance Training, Training of the Major Muscle Groups, Flexibility, Nutritional considerations, Adult Fitness & Special Need Populations, Development of Effective Training Programs, Motivation, Behavior & Personal Training Business.

Health Opportunities through Physical Education (HOPE)

1 credit

Grades 9 -12

The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness. This will meet the graduation requirement for Physical Education with the integration of health topics. Students **are able to exempt HOPE when they take either two years of ROTC or play two years of any sport. You must notify your counselor if you plan to waive the HOPE course.**



World Languages

Spanish I

1 credit

Grades 9-12

Students will be introduced to the Spanish language and its culture. The students will also learn to develop communicative skills and cross-cultural understanding. The content includes listening activities in Spanish and students are expected to speak, read and write in Spanish. It is strongly recommended that students have a solid background in English grammar.

Spanish II

1 credit

Grades 9-12

Prerequisite: C in Spanish I

Students will reinforce the fundamental skills previously acquired. Reading, writing, listening and speaking skills will continue to be developed while adding more complex grammatical structures. This course will also continue the cultural survey of Spanish-speaking people through readings, video, individual and group projects.

Spanish II for Native Speakers

1 credit

Grades 9-12

Prerequisite: none (Sp 1 Native is not offered)

These courses are specially designed for students who are fluent in Spanish (reading, writing and speaking) as their native language. In addition to the topics included in Spanish II & III, students will benefit from targeted instruction in reading and writing. Specifically, emphasis will be placed on reading strategies, vocabulary development, and problems of grammar and orthography.

Spanish III Honors

1 credit

Grades 9-12

Prerequisite: C in Spanish II

Students will learn to master and expand the skills previously acquired. The content includes expansions of vocabulary and conversational skills through discussions based on selected readings. Student's acquisitions of grammatical concepts should stress activities which are important to the everyday lives of Spanish-speaking people.

Cambridge (AICE) Spanish Language

1 credit

Grades 11-12

Prerequisite: Spanish Speakers III or Spanish III w/ teacher recommendation

Spanish Language helps learners to develop language proficiency and practical communication skills in Spanish. The syllabus:

- develops learners' ability in all four language skills: Listening, Reading, Writing and Speaking
- builds knowledge of vocabulary and grammar in the context of six areas covering both familiar and more general topics
- encourages engagement with the culture and society of countries and communities where Spanish is spoken.

Advanced Placement Spanish Literature/Culture

1 credit

Grades 11-12

Prerequisite: Spanish Speakers III or Spanish IV w/ teacher recommendation

This course is designed to provide students with a learning experience equivalent to that of an introductory college course in literature written in Spanish. The course introduces students to the formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature. The course provides opportunities for students to demonstrate their proficiency in Spanish across the three modes of communication (interpersonal, interpretive, and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities).

French I

1 credit

Grades 9-12

Students will be introduced to the French Language and its culture and will develop communicative skills and cross-cultural understanding. The content includes beginning skills in listening and speaking with special attention to pronunciation. There will be an introduction to reading and writing and the fundamentals of grammar and culture.

French II

1 credit

Grades 9-12

Prerequisite: C in French I

Students will reinforce the fundamental skills previously acquired. This course develops increased listening, speaking, reading, and writing skills, and cultural awareness. Reading and writing should receive more emphasis, while oral communication remains the primary objective. This course should continue the cultural survey of French-speaking people.

French III Honors

1 credit

Grades 9-12

Prerequisite: French II, teacher recommendation

Students will learn to master and expand the skills previously acquired. The content should include expansions of vocabulary and conversational skills through discussions based on selected readings.

Student's acquisitions of grammatical concepts should stress activities which are important to the everyday lives of French-speaking people.



French IV Honors

1 credit

Grades 10-12

Prerequisite: French III, teacher recommendation

Students will expand the skills previously acquired. The content includes more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There will be additional growth in vocabulary for practical purposes, including writing. Reading is varied and frequent.

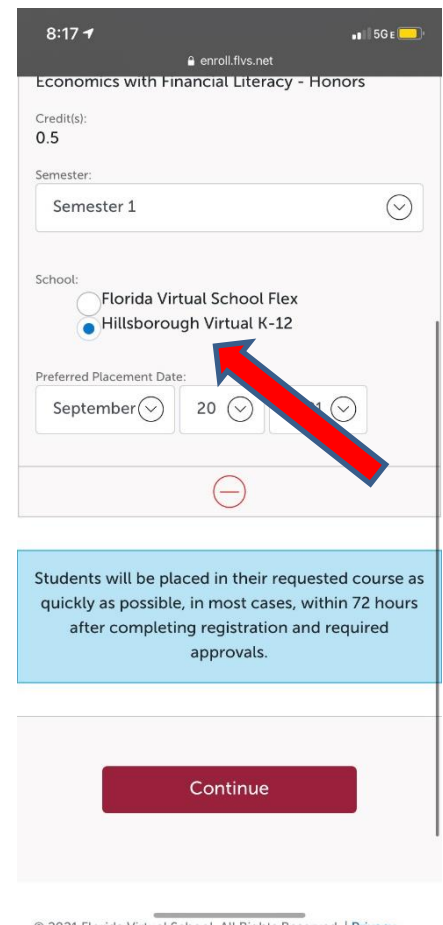


Virtual Research Lab

Students are required to take one virtual class to earn a Florida diploma. Students can sign up for a class on Hillsborough Virtual K-12 via the FLVS.net website. Students may choose to work on the virtual class at home or they can work on the virtual class during the school day in our Research Lab. Research Lab can be included in a student's 7-period schedule.

Please be sure you choose Hillsborough Virtual K-12 and not FLVS Flex.

(see diagram at the right)



The screenshot shows the enrollment form for 'Economics with Financial Literacy - Honors' on the FLVS website. The form includes fields for 'Credit(s): 0.5', 'Semester: Semester 1', and 'School:'. Under 'School:', there are two radio button options: 'Florida Virtual School Flex' and 'Hillsborough Virtual K-12'. The 'Hillsborough Virtual K-12' option is selected, and a red arrow points to it. Below the school selection is the 'Preferred Placement Date:' field, which is set to 'September 20'. A blue box below the form states: 'Students will be placed in their requested course as quickly as possible, in most cases, within 72 hours after completing registration and required approvals.' At the bottom of the form is a 'Continue' button.

See last page for AP & AICE (Cambridge) Summary

New Tampa **DIGITAL** ACADEMY

at Liberty Middle and Freedom High



Become an **expert** in the **digital**
career that interests **you**!

What is New Tampa Digital Academy?

New Tampa Digital Academy at Liberty Middle and Freedom High aims to provide students the **edge** necessary to be successful in a **digital-related career**. We offer a **wider variety** of digital and tech *courses—and have more digital and tech teachers*—than our neighboring traditional and charter schools. Our students can earn a variety of **Industry Certifications** ranging from Web Design to Adobe Animate! New Tampa Digital Academy's unique **7-year overarching philosophy** starts in sixth grade and continues throughout their senior year of high school.

New Tampa Digital Academy's Areas of Concentration:

*3D ANIMATION

*GAME DESIGN

*WEB DESIGN

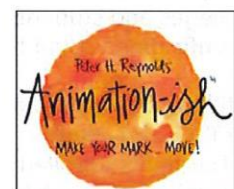
Apply October 25-December 31 at HillsboroughSchools.org/choice



Code.org



Adobe



Applicants will be selected by random drawing based on available school enrollment.



Frequently Asked Questions



at Liberty Middle and Freedom High

Liberty Middle and Freedom High are now home to New Tampa Digital Academy. What does that mean?
Our school district recognizes the incredible successes the digital and tech students have achieved at Liberty Middle and Freedom High. In an effort to expand access to specialty programs, our district believes our schools in the New Tampa area will generate the interest and demand necessary to deliver a high quality digital and tech related academy Liberty Middle and Freedom High.

We offer a wider variety of digital and tech courses—and have more digital and tech teachers—than our neighboring traditional and charter schools. Our 7-year overarching philosophy allows students to focus on an area of concentration that interests them the most.

Who needs to apply to be accepted into New Tampa Digital Academy?

Students from outside the Liberty Middle and Freedom High attendance boundary will be accepted by lottery selection from among all applicants based on our district's Choice lottery procedures. Every student at Liberty Middle and Freedom High will be able to take courses within the New Tampa Digital Academy.

My child is currently zoned to attend Liberty Middle/Freedom High in 2020-2021. Do I still need to apply?

No. Students who are within the Liberty Middle and Freedom High attendance boundary do not need to apply for this academy. Be sure to tell your guidance counselor which area of concentration you would like to study within the academy as you are registering for courses at Liberty Middle and Freedom High.

How do I apply to be in New Tampa Digital Academy?

The application process for New Tampa Digital Academy is completed through our district's Choice program at HillsboroughSchools.org/choice. The application period opens October 25, 2019 at 5 p.m. The deadline for applications is December 31, 2019. All applications are processed after the December 31 deadline, so the date of your application does not affect your chance of being selected—submitting an application in October is the same as submitting in December.

When will I find out if my child got accepted into Liberty Middle or Freedom High?

School Choice applications are due by December 31, 2019. Families will be notified if their student has been accepted to Liberty Middle or Freedom High by the middle of February.

Will school bus transportation be available?

Magnet bus transportation will **NOT** be available for New Tampa Digital Academy students. Local bus transportation will be provided only for students who live within the Liberty Middle and Freedom High attendance boundary and are eligible for transportation under Florida law and school district policy.

What are Industry Certifications? Why are they important?

Industry certifications are an important component of Career and Technical Education Programs of Study as demonstrated evidence of technical skill attainment. Students who earn a certification have a competitive edge upon graduation and become more marketable in their career. Research indicates students who attain industry certifications earn more money over the course of their careers than those lacking industry recognized certifications. In addition, success in specified Industry Certifications can earn articulated credit to community colleges and students earning industry certifications will receive the "merit" diploma designation. Industry Certifications count towards the acceleration component of the overall school grade.

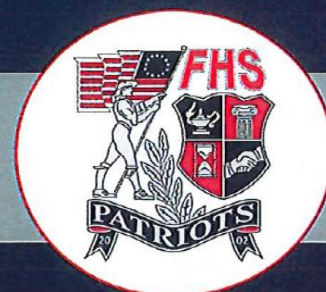
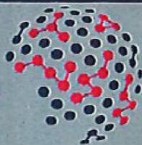
Will my child be guaranteed admission New Tampa Digital Academy if he or she attends Liberty Middle or Freedom High?

All students enrolled at Liberty Middle or Freedom High will be able to take courses within the New Tampa Digital Academy. Advanced courses will have prerequisite requirements. In effort to keep the integrity of each program, course offerings are limited based on class size and teacher course schedules.

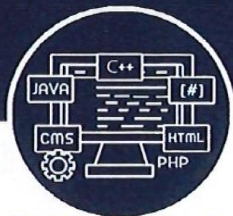
New Tampa Digital Academy at Liberty Middle and Freedom High

New Tampa DIGITAL ACADEMY

at Liberty Middle and Freedom High



Game Design



Web Development



Animation



Entrepreneurship



App Development

New Tampa Digital Academy offers students a **variety of tech and digital courses** not found at neighboring traditional or charter schools! Our courses are designed to **prepare students for a career** in the tech and digital workforce. Students can select an **area of concentration that interests them most** or select from our wide range of courses. From video game design to creating objects on a 3D printer, there is **something for everyone!** At program completion, students will earn a **special designation on their diploma** and graduate with a Digital Academy cord!

Industry Certifications Offered

Microsoft Office Specialist +
Microsoft Word
Microsoft PowerPoint
Microsoft Excel
Microsoft Outlook

Microsoft Technology Associate ∞
Windows Operating System
Python
JavaScript
HTML & CSS
Java

Adobe \$
Adobe InDesign
Adobe Illustrator
Adobe Photoshop
Adobe Dreamweaver
Adobe Animate
Adobe Premiere Pro
Adobe After Effects

ICT Essentials ¥
Communications
Cybersecurity
Gaming
Database
Multimedia
Spreadsheet
Web Design
Word Processing

Symbols indicate certification correlation found on reverse side.

Digital Academy Clubs/Organizations



Future Business Leaders of America

Future Business Leaders of America is a **co-curricular club** offered at Liberty Middle and Freedom High. **FBLA prepares students to become business leaders in a global society** through relevant career preparation and leadership experiences.






E-sports

E-sports is a **competitive gaming club sport** offered at Freedom High. We compete in Super Smash Bros. Ultimate on the Nintendo Switch. Our **district competitions** include schools from all over Hillsborough County. Future competitions will include Rocket League.

What will you create?

AICE (CAMBRIDGE) DIPLOMA SUGGESTED TRACK (All courses are 1 year)

| Year 1 | Year 2 | Year 3 | Year 4 |
|--|--|---|---|
| Required Thinking Skills (Group 4) English Gen Paper (Group 4)  Must take w/ Eng Hon 1 | | Required English Language (Group 2) or  Spanish Language (Grp 2) (If 3 years are complete) Global Perspectives (Group 4) | |
| Electives Travel & Tourism (Group 3) | Electives Psychology (Group 1, 3) Travel & Tourism (Group 3) Environmental Mgt (Group 1,3) | Electives Psychology (Group 1, 3) Environmental Mgt (Group 1,3) Travel & Tourism (Group 3) | Electives  Spanish Language(Grp2) (If 3 years are complete) Psychology (Group 1, 3) Environmental Mgt (Group 1,3) Travel & Tourism (Group 3) |

Additional AICE courses will be added in 2024-2025

AP CAPSTONE RECOGNITION DIPLOMA Seminar + Research + any 4 AP courses.

AP COURSES SUPPLEMENTING ACADEMIC ACCELERATION

| Year 1 | Year 2 | Year 3 | Year 4 |
|--|--|---|---|
| Human Geography Computer Science Principles | World History Psychology Computer Science Principles Capstone Seminar/Research Art (2D, 3D, Drawing) Music Theory | US History Psychology US Govt. & Politics (1 semester) Comparative Govt (1 semester) Computer Science Principles Capstone Seminar/Research Pre-Calculus or Statistics Biology or Chemistry or Physics Spanish Literature Art (2D, 3D, Drawing) Music Theory | Psychology US Govt. & Politics (1 semester) Comparative Govt (1 semester) Micro/Macro Economics Computer Science Principles Capstone Seminar/Research Calculus (AB or BC) or Statistics Biology or Chemistry or Physics Spanish Literature Art (2D, 3D, Drawing) Music Theory |

Student may be able to take courses earlier than the year indicated if pre-requisites are met.

AP COURSE - PRE-REQUISITE

AP Capstone Research – AP Capstone Seminar
 AP Art 2D, 3D or Drawing – Creating 2D/3D Art
 AP Pre-Calculus – Algebra 2 Honors
 AP Calculus AB/BC – AP Pre-Calculus
 AP Biology – Biology 1 Honors, Alg 2 Honors
 AP Chemistry – Chemistry 1 Honors, Alg 2 Honors
 AP Physics – Physics Honors, Alg 2 Honors

AICE COURSE - PRE-REQUISITE

AICE Environmental Mgt – Biology 1 Honors, Geometry Hon
 AICE English – English Honors 1 & 2 (grade A, B)
 AICE Psychology – AICE Thinking Skills or AP Human Geog.
 AICE Thinking Skills - Reading level 3,4,5
 AICE Travel/Tourism - None

Administration

| | |
|--|------------------|
| Principal | Kevin Stephenson |
| Asst. Principal <i>for</i> Curriculum | Matthew Smith |
| Asst. Principal <i>for</i> Administration | Jenna Lamour |
| Asst. Principal <i>for</i> Student Affairs | |
| Asst. Principal <i>for</i> Student Affairs | Marvin Bell |

Guidance

| | |
|-----------------------|-----------------|
| Dept. Chair/Counselor | Christa Nickels |
| Counselor | Natalie Foley |
| Counselor | Georgette Smith |
| Counselor | Jillian Antonio |
| Counselor | Edward Ramos |

| | |
|---------------------|----------------|
| School Psychologist | Claudia Long |
| Social Worker | Kerry Heideman |
| ESE Specialist | Richard Simard |

| | |
|-----------------------------|-----------------|
| Success Coach | Antonyia McCray |
| Literacy Coach | Lisa Reale |
| Intervention Coach | Debbie Grimm |
| Climate & Cultural Coach | |
| School Resource Officer TPD | Ryan O'Neal |

Academic Department Chairs

| | |
|------------------------|----------------------|
| Career Tech/Business | Brian Nanns |
| English | Megan Lewandowski |
| Arts & World Languages | Jennifer Simard |
| Mathematics | Dorothy Schroeder |
| Physical Education | Chris Biernacki |
| Science | Jason Danahy-Sheldon |
| Exceptional Student Ed | Joy Bogert |
| Social Studies | Aaron Schaedler |



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Tampa, FL 33647
est. 2002

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813.558.1189 fax

www.HillsboroughSchools.org/Freedom