

BUCHHOLZ COURSE OFFERINGS

2021-2022

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Academy of Entrepreneurship

Are you ready for the future? In the Academy of Entrepreneurship, you will learn to become a life-long learner and become prepared with the knowledge and skills demanded by YOUR, future. You will learn how to be entrepreneurial and how to think outside of the box. You will learn to think globally and seize the opportunities the world offers YOU.

PRINCIPLES OF ENTREPRENEURSHIP

(Offered 9. One year. Prerequisite: Acceptance into the Academy.) Learn basic principles of entrepreneurship, including studies in business ethics, marketing, financing, management, and personal financial skills. Cooperative learning is emphasized through writing an innovation plan and Integrated Marketing Campaign; enrichment includes field trips, guest speakers, DECA projects, and Junior Achievement “Career Success” program.

BUSINESS MANAGEMENT AND LAW

(Offered 10. One year. Prerequisite: Principles of Entrepreneurship. Honors weighted course.) Builds essential foundation of business management techniques and operations, including human relations, decision making, communication techniques, business law, free enterprise system, contracts, negotiable instruments, and agency. Enrichment includes guest speakers, DECA projects, Junior Achievement “Personal Finance”.

BUSINESS OWNERSHIP

(Offered 11. One year. Prerequisites: Business Management & Law and instructor approval. Honors weighted course.) Prepares students for entrepreneurial careers and allows them to realistically evaluate the knowledge necessary to start and operate a business. Topics include business plans, entrepreneurship as a career option, money-management strategies, leadership and teamwork, professional ethics and legal responsibilities. Teamwork is emphasized; enrichment includes DECA projects, leadership conferences, Junior Achievement “Company” program and Virtual Enterprise. Successful completion of Microsoft Office Specialist certification can satisfy “online” requirement and earn college credit.

MARKETING EDUCATION – DIRECTED STUDY (Offered 12. One year. Prerequisites: Students must have completed or be near completion of the Academy Program and must have approval of the director.)

Reinforces the concepts necessary to manage and operate the school-based store or project management, including management, marketing, equipment operations, inventory management, human relations, advertising and sales, promotion, customer service, and financial records. Students work closely with the business community to develop new products and services.

MARKETING ON-THE-JOB (OJT) TRAINING

(Offered 11, 12. Prerequisites: Students must have completed or be near completion of the Academy Program and must have approval of the director.) Reinforces competencies learned in classroom studies through paid, on-the-job training related to instruction in marketing or management.

Academy of Finance

o **Personal Financial Planning (9th grade)**

Students develop an awareness of the importance in planning to reach short and long term financial goals. Topics include various types of savings accounts, securities (stocks and bonds), mutual funds, credit, insurance and real estate. Emphasis is on helping the student develop the financial knowledge that they will need throughout their lives. Dave Ramsey's Financial Peace University is part of the class curriculum. Students also become Certified Tax Preparers and working with the United Way VITA program file community members tax returns. *Honors weighting.

o **Finance & Business Technology (10th grade)**

Students use state of the art computers and software to create documents, databases and multimedia presentations commonly used in business. Oral and written communications and business etiquette are explored. The second semester focuses on spreadsheets and their application in business. Students earn 3 college credits upon passing Certification in Microsoft Word, PowerPoint and Excel. Other certifications may also be a choice for students. *Honors weighting.

o **Economics and Financial Services/AP Micro-Macroeconomics (11th grade)**

Students taking the AP Micro/AP Macro class studies center around preparation for the Advanced Placement exam in microeconomics and macroeconomics. Economics and Financial Services students learn about economics, banking and credit. The Economics and Financial Services class operates the Bobcat Branch, a branch of the Florida Credit Union, on our campus. A brief introduction to international finance caps off the year. Up to 6 college credits can be earned with the AP Macroeconomics and AP Microeconomics exams. ** AP courses are weighted 1 full point.

o **Accounting Applications (12th grade)**

In accounting, students learn the "language" of business. Emphasis is placed on mastering the accounting cycle and focuses on learning to prepare and interpret financial statements. The students end the year learning QuickBooks Online, a widely used accounting software package. 3 college credits can be earned upon earning QuickBooks Online Certification. * Honors weighting.

o **Financial Internship**

The financial internship course, typically taken in the summer following the junior year, provides students with the opportunities to demonstrate public relations, communications, and technical skills necessary for employment in the financial services industry. Students may continue their internship through cooperative education (on the job training) as a part-time employee during their senior year.

BUSINESS TECHNOLOGY

Business Technology courses are wise choices for the college bound student, as well as the student who is going to work immediately after graduation. These courses develop skills useful in producing academic research papers and business reports and often enable the student to qualify for office jobs while enrolled in or earning money for college. In addition, every course in the Business Technology Department reinforces math and language arts skills and all courses build or enhance students' computer skills.

Students who complete a three-course sequenced program and meet specified grade criteria can qualify for the Gold Seal scholarship which is part of the Bright Futures Scholarship Program.

DIGITAL MULTIMEDIA I, II, III, IV (Offered 9, 10, 11, 12.)

A project-based course that introduces students to the basics of digital creation using the Adobe Creative Cloud suite of software. In each subsequent level of the course, students will learn graphic design, illustration, photography, animation, video editing, special effects, and web development. These professional skills are highly sought after in the job market and will make students more employable, as well as developing skills that will aide them in academic projects throughout high school and college. Students may earn industry-recognized professional certification from Adobe in each application. Absolutely no prior computer or design experience is required.

Course Name	Sem (S) Year (Y)	Grade Levels	Prerequisite
DIGITAL MULTIMEDIA I-IV	Y	9,10,11,12	

AP COMPUTER SCIENCE PRINCIPLES (Offered 9, 10, 11, 12)

This course helps students understand how computing and technology influence the world around them. Students will be introduced to programming in JavaScript and discover how to build digital projects, such as games and apps, to address real-world issues in the same way writers, programmers, engineers, and designers do. Students will also discuss topics in computer science that impact their daily lives, such as how the internet works, and how digital data is stored, transmitted, and secured. This course develops skills that will be essential in all career fields. No computer or programming experience is required.

Course Name	Sem (S) Year (Y)	Grade Levels	Prerequisite
AP COMPUTER SCIENCE PRINCIPLES	Y	9,10,11,12	Algebra I

DRAFTING TECHNOLOGY

DRAFTING I (Offered 9, 10, 11, 12. One year. Prerequisite: None.) Provides students with the basic principles of mechanical and architectural drafting with a fundamental introduction to Computer-Aided Drafting (CAD). Content includes multi-view drawings, lettering, dimensioning, pictorial drawings, section drawings, auxiliary views, floor plans, electrical plans, and wall sections. Hands-on projects include a scaled model house and CO2 dragsters

DRAFTING II (Offered 10, 11, 12. One year. Prerequisites: Drafting I; instructor approval.) Provides the student with an in- depth study of CAD. Content will build on material covered in Drafting I and includes advanced techniques in engineering and architectural drawing.

DRAFTING III (Offered 11, 12. One year. Prerequisites: Drafting I, II; instructor approval) Provides the student with increased knowledge of CAD and will build on material covered in Drafting II. The course also covers 3D solid modeling in both architecture and engineering. Student has the opportunity to become Industry Certified in AutoCAD.

DRAFTING IV (Offered 12, One year. Prerequisites: Drafting III; instructor approval) Specialized topics in drafting. Three college credits may be earned after successful completion of this course and passing the college exam.

DRAMA

THEATRE I- (Offered 9, 10, 11, 12. One Year. Prerequisite: None, this is an entry level course) This course is designed for students with little or no theatre experience, and promotes enjoyment and appreciation for all aspects of theatre. Classwork focuses on the exploration of theatre literature, performance, historical and cultural connections, and technical requirements. Improvisation, creative dramatics, and beginning scene work are used to introduce students to acting and character development. Incorporation of other art forms in theatre also helps students gain appreciation for other art forms, such as music, dance, and visual art. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

ACTING I (Offered 9, 10, 11, 12. One Year. Prerequisite: None) Through improvisation, simple scripted scenes, performance projects, and/or practical application, students learn to identify what makes performances believable and explore the tools used to create, articulate, and execute them. Upon completion of this course, students have a strong foundation for future scene work, script analysis, and play production. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

THEATER, CINEMA AND FILM PRODUCTION-(Offered 9, 10, 11 and 12 One year and No Prerequisite) In Theatre, Cinema, and Film Production, a one-credit course, students explore the elements of film and cinematic techniques used by those who create movies. Students study the techniques in film that serve the story and articulate the theme. Students also will do a series of original films throughout the course of the year. Public performances may serve as a resource for specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or film production beyond the school day to support, extend, and assess learning in the classroom.

TECHNICAL THEATRE DESIGN AND PRODUCTION I- (Offered 9, 10, 11, 12. OneYear. Prerequisite: None, this is an entry level course.) Students focus on developing the basic tools and procedures for creating elements of technical theatre, including costumes, lighting, makeup, properties (props), publicity, scenery, and sound. Technical knowledge of safety procedures and demonstrated safe operation of theatre equipment, tools, and raw materials are central to success in this course. Students explore and learn to analyze dramatic scripts, seeking production solutions through historical, cultural, and geographic research. Students also learn the basics of standard conventions of design presentation and documentation; the organizational structure of theatre production and creative work in a collaborative environment; and the resulting artistic improvement. Public performances may serve as a culmination of specific instructional goals. **

TECHNICAL THEATRE DESIGN, PRODUCTION 4 HONORS/-THEATRICAL DIRECTION AND STAGE MANAGEMENT II HONORS-(Offered 10, 11, 12. One Year per level. Prerequisite: Theater I or Technical Theater 1 and/or Instructor recommendation.) Students focus on and execute the responsibilities of the director, designer, producer and stage manager in relation to the entire production team; the effect of the director's concept on the overall production; techniques used to create an effective theatre work; assembling a prompt book; assembling a cast, production team, and tech crew; effective team-building ensemble skills and communication practices; and successfully planning and running rehearsals

leading toward one or more culminating projects. Public performances may serve as a culmination of specific instructional goals. **

THEATRE III and IV HONORS- (Offered 11, 12. One year per level. Prerequisite: Theater I and/or Instructor approval.) This course is designed for students with significant experience in theatre, and promotes depth of engagement and lifelong appreciation for theatre through a broad spectrum of teacher-assigned and self-directed study and performance. Students regularly reflect on aesthetics and issues related to and addressed through theatre, and create within various aspects of theatre in ways that are progressively more innovative. In keeping with the rigor expected in an accelerated setting, students assemble a portfolio that showcases a significant body of work representing personal vision and artistic growth over time; mastery of theatre skills and techniques in one or more areas; and evidence of significant oral and written analytical and problem-solving skills based on their structural, historical, and cultural knowledge. **

ACTING 4 HONORS (May be combined with Theater 3 and 4 Honors by teacher recommendation) Students create characters for theatrical and film/video productions through scene, character, and technical analysis. Through improvisation, script writing, and aesthetic creation and collaboration, actors refine their working knowledge and independent thought, articulating and justifying their creative choices. Students' "critical eye" becomes more developed and significant mastery of artistic choices becomes evident. An inquiry-based capstone project may be required. Public performances may serve as a culmination of specific instructional goals.

**Students will be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

ENGLISH

Course Name	Sem (S) Year (Y)	Grade Levels	Prerequisite
ENGLISH I	Y	9	
ENGLISH I HONORS	Y	9	Teacher Recommendation
PRE-AP ENGLISH I	Y	9	Application & teacher recommendation
ENGLISH II	Y	10	English I
ENGLISH HONORS II	Y	10	Teacher Recommendation
PRE-AP ENGLISH II	Y	10	Teacher Recommendation
ENGLISH III	Y	11	English II
ENGLISH III HONORS	Y	11	Teacher recommendation
AP ENGLISH LANGUAGE AND COMPOSITION	Y	11	Teacher recommendation
ENGLISH IV	Y	12	English III
ENGLISH IV HONORS	Y	12	Teacher recommendation
AP ENGLISH LIT & COMPOSITION	Y	12	Teacher Recommendation

READING (Offered 9, 10, 11, 12. One year. Prerequisite: Reading deficiency.) Support class for students scoring level I or II on FSA reading. Provides reading support and instruction in vocabulary, comprehension, fluency, study skills, and test-taking skills.

ENGLISH I – (Offered 9. One year. Prerequisite: None). English I prepares students to master the core competencies for ninth grade in language arts. The course follows the pacing guides for Alachua County Schools and emphasizes grammar, vocabulary, writing, and reading strategies. Preparation for the FSA Reading Test is emphasized.

ENGLISH HONORS I (Offered 9. One year. Prerequisite: Recommendation of eighth grade English teacher.) English I Honors prepares students for the demands of advanced placement college preparatory courses. Students are expected to complete major reading and composition assignments outside of class. Reading strategies for comprehending difficult texts are emphasized as well as grammar, vocabulary and composition for the college bound student. Summer reading is tested the first week of school.

PRE-AP ENGLISH I (Offered 9. One year. Prerequisite: Application and acceptance into Pre- AP English program.) The Pre-AP English I course prepares highly self-motivated learners for the rigors of advanced placement English courses. Students are required to read and analyze challenging texts independently. Students are expected to have mastered the foundations of composition and grammar prior to entering ninth grade. Summer reading is tested the first week of school.

ENGLISH II (Offered 10. One year. Prerequisite: English I.) Focus is for students to become skillful in expository and persuasive writing. Students are prepared for FSA reading and state writing assessments. Curriculum is taught using textbook, supplemental material, and assigned novels (read independently). No summer reading is required.

ENGLISH II HONORS (Offered 10. One year, Prerequisite: C or better in English Honors I or Pre-AP English I and teacher recommendation) Advanced course for motivated students whose skills are not yet at AP level. Students are taught critical thinking in major works and world literature. The writing component includes expository, persuasive, and analytical documented literary papers. Some FSA preparation is included. Summer reading is required.

PRE AP ENGLISH II (Offered 10. One year. Prerequisites: Pre AP English I or English Honors I and teacher recommendation.) Geared to highly motivated students. Critical reading and analysis of European/World literary works are required both in class and independently. Strong emphasis on writing, especially persuasive and expository, including documented papers. Summer reading required.

ENGLISH III (Offered 11. One year. Prerequisite: English II.) Literature study focuses on major American works. Composition emphasizes multi- paragraph papers. Vocabulary study and speaking experiences are included. A documented paper is required. Summer reading required.

ENGLISH III HONORS (Offered 11. One year, Prerequisite: C or better in English Honors II or Pre-AP English II and teacher recommendation) Advanced course for motivated students whose skills are not yet at AP level. Students are taught critical thinking in major American works. Summer reading required.

AP ENGLISH LANGUAGE AND COMPOSITION (Offered 11. One year. Prerequisites: Pre-AP English II or English Honors II and teacher recommendation.) Critical reading and analysis of major literary works take place, both in class and independently. Extensive reading and writing are required, including documented papers and a major research project. Formal and informal speaking activities occur. Prepares students for the AP Language/Composition Exam. Summer reading is required.

ENGLISH IV: COLLEGE PREP (Offered 12. One year. Prerequisite: English III.) Emphasizes reading and writing for college and vocational experience. A documented paper is required. Short non-fiction and some longer works may be included. Summer reading is required.

ENGLISH IV HONORS (Offered 12 One year, Prerequisite: C or better in English Honors III or Pre-AP English III and teacher recommendation) Advanced course for motivated students whose skills are not at AP level. Students are taught critical thinking in major works and European literature. Summer reading required.

AP LITERATURE AND COMPOSITION (Offered 12. One year. Prerequisites: AP Language and Composition or English III and teacher recommendation.) A college level course that emphasizes interpretation of world literature in preparation for the AP Exam. Topics include writing instruction for analysis and interpretation, and persuasion. Documented papers are required. Student will get help with college essays as well as access to college recommendation letters. Students will be prepared for writing in future college classes. Students who perform successfully on the AP exam may receive college credit from participating colleges in English and Humanities. Summer reading is required.

EXCEPTIONAL STUDENT EDUCATION

The philosophy at Buchholz is to mainstream students as much as possible into regular classes, while simultaneously providing support and/or remedial services. Each ESE student's program is designed to the needs of the individual student and is outlined in the student's Individual Education Plan (IEP). These services are monitored by the student's case manager who is responsible for assuring the individual is progressing in all areas and offering support and guidance to the individual and their family as needed throughout their high school career in the public-school system. Every student with an Individual Exceptional Plan (IEP) transitions from class to class. Course offerings are dictated by student need and are subject to change each school year.

The following courses are typically offered every school year at BHS for our ESE students:

*subject to change without notice

<u>Co-Teach Classes:</u>	<u>ESE Classes:</u>
<p>·English Language Arts (ELA): -English 1 -English 2</p> <p>·Mathematics: -Algebra 1</p> <p>·Science: -Biology -Environmental Science</p> <p>·Social Studies: -Economics -Government -US History -World History</p>	<p>·ESE Electives: -Learning Strategies (Standard Diploma) -HOPE (students on Access Points only)</p> <p>·English Language Arts (ELA): -English 1 -English 2 -English 3 -English 4</p> <p>·Mathematics: -Algebra 1 -LAM -Geometry -Financial Algebra</p> <p>·Science: -Biology -Environmental Science</p> <p>·Social Studies: -Economics -Government -US History -World History</p>

LEADERSHIP

9th Leadership Skills Development (2400300) The purpose of this course is to teach leadership skills, parliamentary procedure, problem solving, decision making, communication skills, group dynamics, time and stress management, public speaking, human relations, public relations, team building, and other group processes.

10th Leadership Techniques Honors (2400310) This course will provide an in-depth study of the leadership techniques of decision making, problem solving, meeting skills, communication, group conflict reduction, time and stress management, evaluation, team building, group dynamics, motivational strategy, data collection for project needs, evaluation of community organizations, purpose of local government, and the role of leadership in a democratic society.

11th Leadership Strategies Honors (2400320) The purpose of this course is to provide formative opportunities to build on skills acquired in the *Leadership Techniques* course, including meetings skills, communication skills, motivational strategies, character development, group dynamics, community relations, data collection for project needs, evaluation of community organizations, purpose of local government, community service and personal and civic responsibility.

12th Approaches to Leadership Honors (2400330) This course facilitates summative application of leadership skills formed in *Leadership Strategies*, emphasizing organizational management, goal-setting, communication with varied audiences, peer mediation, citizenship, data collections and analysis, conflict resolution, healthy decision-making, assertiveness, and meeting skills, stress management and strategies for self-reflection.

MATHEMATICS

Course Name	Sem (S) Year (Y)	Grade Levels	Prerequisite
ALGEBRA I	Y	9,10,11,12	
ALGEBRA I HONORS	Y	9,10,11,12	Teacher Recommendation
LIBERAL ARTS MATH	Y	9 10	Teacher Recommendation
ALGEBRA II	Y	9,10,11,12	Teacher Recommendation
ALGEBRA II HONORS	Y	9,10,11,12	Teacher Recommendation
ALGEBRA II HONORS COMPETITION	Y	9,10,11,12	Teacher Recommendation
GEOMETRY	Y	10,11,12	Teacher Recommendation
GEOMETRY HONORS	Y	9,10,11,12	Teacher Recommendation
GEOMETRY HONORS COMPETITION	Y	9,10,11,12	Teacher Recommendation
HONORS PRECALCULUS	Y	11,12	Teacher Recommendation
HONORS PRECALCULUS SPECIAL	Y	10,11,12	Teacher Recommendation
HONORS PRECALCULUS SPECIAL COMPETITION	Y	10,11	Teacher Recommendation
AP CALCULUS AB	Y	11,12	Teacher Recommendation
AP CALCULUS BC	Y	12	Teacher Recommendation
AP CALCULUS BC COMPETITION	Y	12	Teacher Recommendation
AP STATISTICS	Y	10,11,12	Teacher Recommendation
HONORS STATISTICS	Y	11, 12	Teacher Recommendation
AP COMPUTER SCIENCE A			
AP COMPUTER PRINCIPLES			

LIBERAL ARTS MATH (Offered 9, 10, one year) Provides additional remediation for Algebra concepts in preparation for the EOC exam

ALGEBRA I (Offered 9,10,11,12. One year. Prerequisite: teacher recommendation.) Structure and properties of the real number system, solving and graphing linear equations and inequalities, systems of equations and inequalities, exponents, factoring, quadratic equations, and problem solving.

ALGEBRA I HONORS (Offered 9,10,11,12. One year. Prerequisite: Teacher recommendation.) Provides rigorous and in-depth study of first year algebra. Includes all topics of Algebra I. Emphasizes deductive reasoning skills.

ALGEBRA II (Offered 9,10,11,12. One year. Prerequisite: C or above in Algebra I.) Continued study of structure of algebra. Includes quadratics, logarithms, system of equations and inequalities, and complex numbers.

ALGEBRA II HONORS (Offered 9,10,11,12. One year. Prerequisite: B or above in Algebra I Honors or teacher recommendation.) In-depth study of Algebra II with emphasis on theory.

ALGEBRA II HONORS COMPETITION (Offered 9,10,11,12. One year. Prerequisite: teacher recommendation, interview, and tryout.) Algebra II Honors curriculum plus many additional algebra topics not normally taught until Pre-Calculus plus participation in Mu Alpha Theta competitions.

GEOMETRY (Offered 10, 11, 12. One year. Prerequisite: C or above in Algebra II, or B or above in Algebra I and concurrent with Algebra II.) Includes Euclidean geometry of lines, planes, angles, polygons, circles, congruence, similarity, area and volume, and formal proofs.

GEOMETRY HONORS (Offered 9,10,11,12. One year. Prerequisite: C or above in Algebra II Honors, A or B or above in Algebra I Honors and concurrent with Algebra II Honors and teacher recommendation.) In-depth study of geometry with emphasis on methods of formal proofs and developing analytical thinking skills

GEOMETRY HONORS COMPETITION (Offered 9,10,11,12. One year. Prerequisite: Teacher recommendation, interview, and tryout.) Geometry Honors curriculum, extensive Algebra II review and Mu Alpha Theta Competition preparation.

AP COMPUTER SCIENCE A (Offered 11, 12. Teacher recommendation) Computer Science A emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development and is meant to be the equivalent of a first-semester course in computer science. It also includes the study of data structures and abstraction.

HONORS PRE-CALCULUS (Offered 11, 12. One year. Prerequisites: C or above in Algebra II and Geometry.) Study of linear, polynomial, and rational functions and their graphs; complete course in trigonometry; study of conic sections.

HONORS PRE-CALCULUS SPECIAL (Offered 10, 11, 12. One year. Prerequisites: B or above in Algebra II Honors and Geometry Honors.) Preparation for calculus. In-depth study of trigonometry; polynomial, rational, exponential, and logarithmic functions and their graphs; conic sections; limits.

HONORS PRE-CALCULUS COMPETITION (Offered 10, 11. One year. Prerequisite: Teacher recommendation, interview, and tryout.) Pre-Calculus Special curriculum plus many additional Algebra-based topics not covered in Pre-Calculus Special. Mu Alpha Theta Competition preparation.

ADVANCED PLACEMENT CALCULUS AB (Offered 11, 12. One year. Prerequisite: B in Pre-Calculus or Pre-Calculus Special or teacher recommendation.) Meets the rigorous curriculum demands of the Advanced Placement Calculus Examination and the first semester of college calculus.

ADVANCED PLACEMENT CALCULUS BC (Offered 12. One year. Prerequisite: B in Pre-Calc Special or teacher recommendation.) Meets the rigorous curriculum demands of the Advanced Placement Calculus Examination and meets the curriculum for first and second semester college calculus.

ADVANCED PLACEMENT CALCULUS BC COMPETITION (Offered 12. One year. Prerequisite: Teacher recommendation.) This course covers the AP curriculum for BC Calculus and Mu Alpha Theta Competition Calculus.

ADVANCED ALGEBRA WITH FINANCIAL APPLICATIONS (Offered 11, 12. One year. Prerequisite: Pre-Calculus.) Course will focus on important skills in Algebra 1 and Algebra 2 with the goal of developing personal financial literacy.

MATH FOR COLLEGE READINESS (Offered 12. One year, Prerequisite: Algebra I and teacher recommendation.) Mirrors Intermediate Algebra (MAT 1033) at college level. Students earning a C grade in class, earning a score greater than 86 on the CPT may enroll in College Algebra at SFC

HONORS STATISTICS (Offered 12, one year. Prerequisites: Alg. II or Geometry) This course is an introduction to probability and statistics with emphasis on techniques and applications that are useful in business, engineering, social and biological sciences. Students taking this course have successfully completed Algebra 2 and are seeking to complete an elective college prep math course.

ADVANCED PLACEMENT STATISTICS (Offered 10, 11, 12. One year. Prerequisite: Algebra II Honors or above, or Geometry or above.) Introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Topics include exploring data, planning a study, anticipating patterns, and statistical inference. Students who successfully complete the course and the AP examination may receive credit and/or advanced placement for a one semester introductory college statistics course.

NUTRITION AND FOOD SCIENCE

NUTRITION & WELLNESS (Offered 9, 10, 11, 12. One semester. Prereq: None.) Introduction to basic nutrition, including food nutrient groups and food, selection for personal growth and development; special needs; eating disorders; meal planning; buying and storing food items; food, energy, resource conservation; meal management, kitchen plans, equipment and utensil selection, use and care; table setting and meal service; safety and hygiene; dining, etiquette, career opportunities.

PRINCIPLES OF FOOD PREPARATION (Offered 9,10,11,12. One Semester. Prerequisite: Nutrition and Wellness.) Includes instruction in food preparation principles and techniques; terminology; planning, preparation, and presentation of food through laboratory activities; career opportunities in food preparation.

Course Name	Sem (S) Year (Y)	Grade Levels	Prerequisite
NUTRITION AND WELLNESS	S	9,10,11,12	
PRINCIPLES OF FOOD PREPARATION	S	9,10,11,12	Nutrition and Wellness
FOOD SCIENCE	Y	10,11,12	Servsafe certification and teacher approval

SCIENCE

Course Name	Sem (S) Year (Y)	Grd Lvls	Prerequisite
ANATOMY AND PHYSIOLOGY	Y	11,12	"C" in Biology I
ANATOMY AND PHYSIOLOGY HONORS	Y	11,12	"A" or "B" in Bio. I or Bio. I Honors. Pre-Co-req: Chemistry I
BIOLOGY I	Y	10	Pass 9 th grade Science
BIOLOGY I HONORS	Y	10	Teacher recommendation
AP BIOLOGY	Y	10, 11, 12	"B" in all Science. Suggested Co-req: Chemistry
MARINE BIOLOGY	Y	11,12	Pass Biology
MARINE BIOLOGY HONORS	Y	11, 12	C in Bio or Bio Honors
CHEMISTRY I	Y	11,12	"B" in Bio. I or Bio I Honors and "C" in Algebra I
CHEMISTRY I HONORS	Y	11,12	"A" or "B" in Bio. Honors with "A" in Algebra I OR "A" or "B" in Algebra I Honors
AP CHEMISTRY	Y	11,12	"A" in Chemistry I or "in Chem. Honors; No "C" or below in any math and Teacher Approval
ENVIRONMENTAL SCIENCE	Y	9	
ENVIRONMENTAL HONORS	Y	9	
AP ENVIRONMENTAL SCIENCE	Y	9,10, 11,12	Algebra I Honors
AP PHYSICS 1 and 2	Y	11,12	Pre-req B in Alg II Hon or Geo Hon
AP PHYSICS C	Y	12	Pre-req Calc AB Co--req Calc BC

ANATOMY AND PHYSIOLOGY (Offered 11, 12. One year. Prerequisite: C or above in Biology I) Lab science course for students who are interested in learning about the basic structure and function of the human body. This course will cover the anatomy and physiology, the common disease processes and disorders of all body systems, as well as how to maintain good health of each system.

ANATOMY AND PHYSIOLOGY HONORS (Offered 11, 12. One year. Prerequisite: A or B in Biology I or Biology I Honors.) Provides students with a faster-paced, more in-depth look into Anatomy and Physiology and is geared for students who would like to pursue health care at a four-year university. It will cover the anatomy and physiology, the common disease processes and disorders of all body systems, as well as how to maintain good health in each system and the technology used in diagnosis and treatment of disease. Connections will be made between the various body systems and cellular processes learned in Biology and basic principles of Chemistry.

BIOLOGY I (Offered 10. One year. Prerequisite: Pass ninth grade science.) Provides general exploratory experiences and activities in fundamental concepts of life. Includes scientific method, cell biology, genetics, biological changes through time, classification, microbiology, plants, animals, and ecology. Laboratory investigations are an integral part of the course. Course has EOC exam.

BIOLOGY I HONORS (Offered 10. One year. Prerequisite: teacher recommendation.) Comprehensive study of living things. Lab- based class that explores LIFE and LIVING ORGANISMS, including structure, function, growth, origin, evolution, distribution, and taxonomy. Units covered include Biochemistry, Cytology, Cellular Processes, Genetics, Classification, and an in-depth study of the six kingdoms of life. Personal health and ecological interactions are emphasized throughout the course. Course has EOC exam.

ADVANCED PLACEMENT BIOLOGY (Offered 10, 11, 12. One year. Prerequisite: Science teacher recommendation; cumulative B average in all science classes; Suggested co-requisite: Chemistry I, Chemistry I Honors, or Anatomy and Physiology). College- level course in biology. Curriculum will challenge independent thinkers as it covers four big ideas: Evolution; Growth and Reproduction; Response to Stimuli; and Interaction to Biological Systems. Essential knowledge for each big idea ranges from the cellular level all the way to habitats and ecosystems. Emphasis on science practices and designing testable explanations— laboratories are mandatory.

MARINE BIOLOGY (Offered 11,12. One year. Prerequisite: Pass biology. Suggested co-requisite: Chemistry, Anatomy and Physiology) Provides an overview of the ocean and the habitats within. Examines the function of the ocean, how it relates to the life of humans and the organisms that are found in the sea. Course has a laboratory component

MARINE BIOLOGY HONORS (Offered 11 12. One year. Prerequisite: C in Bio or Bio honors. Suggested co-requisite: Chemistry I, Chemistry Honors, Anatomy and Physiology, Anatomy and Physiology Honors) A detailed study of the world's oceans. Lab based class that studies waves, tides, ocean energy, the sea floor, oceanic habitats, and animal diversity. Units covered include ocean environment, the organisms of the sea, structure and function of marine ecosystems and humans and the sea.

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE (Offered 9, 10, 11, 12. One year. Prerequisite: Algebra I Honors.) A rigorous, college-level science course that stresses both the application of scientific principles and analysis of the environment that surrounds us. Includes topics of Chemistry, Thermodynamics, Ecosystems, Biodiversity, Biomes, Food Production, Geology, Solid and Hazardous Waste, Air and Water Pollution and Global Warming. Independent labs, essays, and projects are required. Having a strong science and writing background is essential to your success in this course. Upon successful completion of this course, students will take the College Board Exam (AP Test), and if passed, may receive college credit of 3 credit hours.

ENVIRONMENTAL SCIENCE (Offered 9th One year.) Learn about environmental issues at the local, state, regional, and global levels. Exercise critical thinking skills on topics ranging from agriculture, industry, and pollution, to human population growth and development, invasive species, and climate change.

ENVIRONMENTAL SCIENCE HONORS (Offered 9th One year.) Rigorous, in-depth study of environmental issues at the local, state, regional, and global levels. Exercise critical thinking skills on topics ranging from agriculture, industry, and pollution, to human population growth and development, invasive species, and climate change.

CHEMISTRY I (Offered 10, 11, 12, One year. Prerequisites: C or above in Algebra I or recommendation from 9th grade teacher.) Have fun learning about the composition and properties of matter, and the changes that matter undergoes! Laboratory investigations are an integral part of this course, including favorites such as metal flame tests, supersaturated solutions of rock candy, and observing hydrogen in a balloon combust. Includes classifications and structures of matter, atomic theory, periodic table, bonding, chemical formulas and reactions, balanced equations, behavior of gases, physical changes, acids, bases and salts, and energy associated with physical and chemical changes.

CHEMISTRY I HONORS (Offered 10, 11, 12. One year. Prerequisites: A in Algebra I, or B or above in Algebra I Honors or recommendation from 9th grade teacher.) Rigorous, in-depth study of matter and energy, its form and interactions. Laboratory investigations are an integral part of the course.

ADVANCED PLACEMENT CHEMISTRY (Offered 11,12. One year. Prerequisites: A in Chemistry I or B in Chemistry I Honors and teacher recommendation.) A college- level chemistry class. Studies include matter and energy from several directions. Labs are more extensive than Honors or Chemistry I and are a required part of this class. Students may take this course by recommendation only. Prepares students seeking credit and/or advanced placement in college chemistry courses. Requires a good work ethic, the ability to comprehend difficult topics, problem solve, and apply knowledge to laboratory results.

ADVANCED PLACEMENT PHYSICS 1 & 2 (Previously B) (Offered 9, 10, 11, 12. One year. Prerequisites: B in Algebra II Honors or Geometry Honors and teacher recommendation.) College Board approved physics course covering Newtonian mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics, and nuclear physics. This course is equivalent to a first-year, non-calculus- based college physics course. Prepares students for the AP Physics 1 examination. Projects and lab activities are integral to this course.

ADVANCED PLACEMENT PHYSICS C (Offered 11, 12. One year. Prerequisites: Calculus AB or Co-requisite Calculus BC.) College Board approved calculus-based physics course covering Newtonian mechanics, electricity and magnetism. This course is equivalent to a first-year, calculus- based college physics course and is intended for students interested in engineering or the physical sciences. Prepares students for the AP Physics C examination. Projects and lab activities are integral to this course.

EARTH SPACE SCIENCE (Offered 11, 12 One year, Pre-requisites: Completed biology) Earth and Space Science is a course focusing on the study of space, geologic structures and forces, the waters on our planet, and the atmospheric forces that shape our world. Students will explore the Earth's spheres including the geosphere, hydrosphere, cryosphere, atmosphere and the cycles of the Earth such as the water and carbon cycle. Students will learn about scientific inquiry, geologic time, space exploration, the solar system, and the universe. There is EOC exam for this course.

SOCIAL STUDIES

Course Name	Sem (S) Year (Y)	Grd Lvl	Prerequisite
AMERICAN GOVERNMENT	S	12	
AMERICAN GOVERNMENT HONORS	S	12	Honors Teacher Recommendation
AP AMERICAN GOVERNMENT	S	12	AP Teacher Approval
AMERICAN HISTORY	Y	11	
AMERICAN HISTORY HONORS	Y	11	Honors Teacher Recommendation
AP AMERICAN HISTORY	Y	11	Teacher Recommendation
ECONOMICS	S	12	
ECONOMICS HONORS	S	12	Honors Teacher Recommendation
AP MICROECONOMICS	S	12	AP Teacher Approval
WORLD HISTORY	Y	9	
WORLD HISTORY HONORS	Y	9	Teacher Recommendation
AP WORLD HISTORY	Y	9	Teacher Recommendation
AP EUROPEAN HISTORY	Y	10,11,12	AP Teacher Approval
AP SEMINAR	Y	10,11	Teacher Approval
AFRICAN-AMERICAN HISTORY	S	10,11,12	
AP PSYCHOLOGY	Y	10,11,12	Teacher Approval
AP HUMAN GEOGRAPHY	Y	10, 11, 12	Teacher Approval

Social Studies allows students the opportunity to explore the past and analyze the present. Students are exposed to the democratic process and its evolution over time, as well as the contributions of past civilizations and their impact on the present. Students examine the economic, social, religious, military, scientific, technical, and cultural events of nations.

AMERICAN HISTORY (Offered 11. One year. Prerequisite: None.) Be an active participant in the drama that is American History. Starting with Reconstruction to the politics of today's fast-changing world, students will understand the chronological development of the American people. Topics include the political, economical, social, religious, military, scientific, and cultural events that have moved our nation forward.

AMERICAN HISTORY HONORS (Offered 11. One year. Prerequisite: Recommendation of honors level social studies instructor.) Be an active participant in the drama that is American History. Starting with Reconstruction to the politics of today's fast-changing world, students will understand the chronological development of the American people. Topics include the political, economical, social, religious, military, scientific, and cultural events that have moved our nation forward. Students acquire understanding of historical method, inquiry process, historical reasoning and interpretation.

ADVANCED PLACEMENT AMERICAN HISTORY (Offered 11. One year. Prerequisite: Approval of an AP instructor.) Develops analytical skills and factual knowledge necessary to deal critically with issues related to America's historical development. Focuses on persistent themes and changes in history. Stresses choices made at certain times in history and how these choices influenced future events.

ECONOMICS (Offered 12. One semester. Prerequisite: None.) Studies way in which society organizes limited resources to satisfy unlimited wants. Provides students with understanding of forces of marketplace by examining the effect of their roles as producers, consumers, savers, investors, resources, owners, voters, and taxpayers.

ECONOMICS HONORS (Offered 12. One semester. Prerequisite: Recommendation of honors level social studies instructor.) Provides comprehensive understanding of way in which society organizes to use limited resources to satisfy unlimited wants. Deals with distinguishing characteristics of other types of economic systems. Provides students with tools to examine and analyze implications of market solutions and public policy decisions related to economic problems.

ADVANCED PLACEMENT MICRO-ECONOMICS (Offered 12. One semester. Prerequisite: Approval of AP instructor.) Prepares students with the content necessary to take the College Board AP Microeconomics Exam. The study covers the fundamental concepts of the interactive components of a market economy. These include: understanding how limited resources have an effect on any market system; opportunity costs and production possibilities of an individual; business and national choices; pricing and output of markets through the laws of supply and demand; governmental policies that maintain market stability; and efficiency of the basic market structures of the economy.

AMERICAN GOVERNMENT (Offered 12. One Semester. Prerequisite: None.) Enables students to acquire an understanding of American government and political behavior. Fosters an understanding of how and why citizens should become involved in politics and government in a democracy.

AMERICAN GOVERNMENT HONORS (Offered 12. One semester. Prerequisite: Recommendation of honors level social studies teacher.) Enables students to develop comprehensive understanding of American government and political behavior. Specific content includes: understanding the concepts and foundations of government; the United States Constitution, powers and duties of the legislative, executive and judicial branches; state and local governments; political participation and influence; and the American legal process.

ADVANCED PLACEMENT AMERICAN GOVERNMENT (Offered 12. One semester. Prerequisite: Approval of AP instructor.) AP US Government is comparable to an entry level college course on US Government and Politics and is organized into five major units: Foundations of American Democracy; Interaction Among Branches of Government; Civil Liberties and Rights; American Political Ideologies and Beliefs; and Political Participation. Students will learn the content and practice the analytical and writing skills necessary for success on the exam and optimally will earn college credit.

WORLD HISTORY (Offered 9, 10. One year. Prerequisites: None.) Studies chronological development of civilization by examining political, economic, social, religious, military, scientific, and cultural events that have affected humanity.

WORLD HISTORY HONORS (Offered 9, 10. One year. Prerequisite: Recommendation of honors level social studies instructor.) Comprehensive study of past, interrelations of change or processes in the history of humanity. Analyzes political, economic, social, religious, military, dynastic, scientific, and cultural events shaping and molding humanity. Gives understanding of historical method, inquiry process, and historical reasoning and interpretations.

ADVANCED PLACEMENT WORLD HISTORY (Offered 9, 10, 11, 12. One year. Prerequisite: Teacher recommendation.) Comprehensive study of past, interpretations of change or process in the history of humanity. Analyzes political, economic, social, religious, scientific, and cultural events shaping and molding human societies. Gives an understanding of historical method, inquiry process, historical reasoning. Requires advanced reading skills.

ADVANCED PLACEMENT EUROPEAN HISTORY (Offered 10, 11, 12. One year. Prerequisite: Approval of AP instructor.) Develops analytical skills and factual knowledge necessary to deal critically with problems, content, and materials of European history. Focuses on persistent themes and change in history by applying historical reasoning to seek solutions to contemporary problems.

ADVANCED PLACEMENT HUMAN GEOGRAPHY (Offered 10, 11, 12. One semester. Prerequisite: None.) Introduces students to the study of human understanding, use, and alteration of the Earth's surface. Students will learn how humans have impacted the Earth and each other. Students will learn about geography, human population, world cultures, how political organizations function, the effects of industrialization, economics, and how cultural landscapes have changed over time. Upon successful completion of this course, students will take the College Board AP Exam.

ADVANCED PLACEMENT PSYCHOLOGY (Offered 10, 11, 12. One year. Prerequisite: Approval of AP instructor.) Provides students with the opportunity to acquire an understanding of human behavior and interactions. Content includes theories and methods employed by psychologists, human growth and development, self-concept development, adjustment, motivation and desire, intelligence, human interaction, conditioning and learning, memory, personality, emotion and frustration, abnormal behavior, stress, mental health, psychological testing, and therapy. Also includes an introduction to the study of human interaction and group behavior. Topics include familial relationships, crowd behavior, and the variations among societies.

AFRICAN AMERICAN HISTORY (10, 11, 12) This course kicks off with a unit in which we explore why we need a course called African American history and debates when this history should begin. We then trace the history forward through the following units: African History; From Africa to the Middle Passage; Slavery and Resistance; Civil War, Emancipation, and Reconstruction; the Jim Crow Era; the Long Movement for Civil Rights; and from Eyes on the Prize to Black Lives Matter. The class is flexible in its approach and features new resources and themes each year, for example, one year we incorporated "Things Fall Apart" and another we incorporated a unit on Racial Violence and participated in a writing contest from the Equal Justice Initiative. Anyone willing to learn is welcome!

ADVANCED PLACEMENT CAPSTONE (offered 10, 11) Are you interested in exploring a real-world problem and arguing in favor of a solution for it? Do you want to learn useful skills that will benefit you in college and beyond? Are you looking for a way to stand out in the college admissions process? If you answered yes to any of these questions then AP Seminar and the Capstone Program may be right for you. AP Seminar is NOT a social studies course but it does incorporate a lot of topics related to social studies, science, technology and a host of other disciplines. In AP Seminar and the Capstone Program you will learn useful skills related to research, argumentation and communications which will help you stand out in the college admissions process. For more information, feel free to e-mail Mr. McNickle. Capstone applications can be found in the front office.

VISUAL ARTS

Course Name	Sem (S) Year (Y)	Grade Levels	Prerequisite
ART 2D/COMP I & II	Y	9,10,11,12	
DRAWING I	Y	9, 10,11,12	
PAINTING I & II	Y	9, 10,11,12	
INTERMEDIATE PORTFOLIO	Y	10,11	Teacher Recommendation
AP 2D DESIGN/DRAWING PORTFOLIO	Y	11,12	Teacher Recommendation
CREATIVE PHOTO I	Y	10,11,12	Teacher Recommendation
CREATIVE PHOTO II	Y	11,12	Creative Photo I and Teacher Recommendation
CREATIVE PHOTO III	Y	11,12	Creative Photo I and II and Teacher Recommendation
AP PHOTOGRAPHY PORTFOLIO	Y	10,11,12	Teacher Recommendation and Digital Camera
CERAMICS I	Y	10, 11,12	
CERAMICS II	Y	11,12	Ceramics I and Teacher Recommendation
CERAMICS III	Y	11,12	Ceramics I and II and Teacher Recommendation

The visual arts courses are designed to meet students' varied interests and skill levels. Students develop skills and techniques necessary to produce their own artwork.

ART 2-D/COMP I (Offered 9, 10, 11, 12. One Semester. Prerequisite: None.) Entry- level course introduces various designing, drawing, and painting activities. No previous art experience needed.

ART 2-D/COMP II (Offered 9, 10, 11, 12 One semester. Prerequisite: Art 2-D/Comp.) A Continuation of Art-2D Comp I, using more complex ideas and processes that lead to personal expression.

DRAWING I (Offered 9, 10, 11, 12. One year.) Entry-level course where basic design and compositional skills are introduced through drawing; uses pencil, oil pastel, pen, and mixed medias. No previous art experience needed.

PAINTING I (Offered 9, 10, 11, 12. One semester. Prerequisite: None.) Entry-level course where students develop basic painting skills in a range of subject matter, symbols, ideas, and concepts. Students will use a variety of media, processes, and techniques. No previous art experience needed.

PAINTING II (Offered 9, 10, 11, 12. One semester. Prerequisite: Painting I.) A continuation of Painting I. Students continue to develop skills using the knowledge of the painting media, process, and techniques. Developing a personal style and expression are emphasized.

INTERMEDIATE PORTFOLIO (Offered 10, 11. One year. Prerequisites: Teacher Recommendation. Honors Weighted Course) Pre-AP level course where students begin developing individual portfolios reflecting their understanding of art elements and principles. Students will develop skills and techniques through exposure to a variety of media including paint, watercolors, pen and ink, oil pastel, Prismacolor pencil, collage, and mixed media. Personal expression and an artistic voice are emphasized. The culminating body of work is the foundation for the individual student's AP Art Portfolio.

ADVANCED PLACEMENT 2-D DESIGN/DRAWING PORTFOLIO (Offered: 11, 12. One year. Prerequisites: Teacher Recommendation. AP Weighted Course) Courses are designed for the serious, self-motivated art student. Students develop a personal art portfolio. Students create artwork in a variety of media including paint, watercolors, pen and ink, oil pastel, Prismacolor pencil, collage, and mixed media. Personal expression and an artistic voice are required. This collection of art work is submitted as a portfolio to the College Board in May.

CREATIVE PHOTO I (Offered 10, 11, 12. One year. Prerequisites: Teacher Recommendation.) No previous Photography experience required. Students will learn photography basics including: how to use a 35 mm film camera, developing film, and use the darkroom to print photos. Students will have access to a manual 35 mm camera.

CREATIVE PHOTO II (Offered 11, 12. One year. Prerequisite: Creative Photo I and Teacher Recommendation.) The study of photography continues through film photography. Students will have access to a manual 35 mm camera.

CREATIVE PHOTO III Honors (Offered 11, 12. One year. Prerequisite: Creative Photo I and Teacher Recommendation.) The study of photography continues through film and digital photography. Students will have access to a manual 35 mm camera and will need a digital camera (or high-quality phone camera).

ADVANCED PLACEMENT PHOTOGRAPHY PORTFOLIO (Offered: 10, 11, 12. One year. Prerequisites: Teacher Recommendation. AP Weighted Course) Students will learn photography basics through Digital Photography. Through teacher directed assignments, students will create a photography portfolio focusing on the elements and principles of art. As students develop skills and expertise, they also will demonstrate their knowledge and skills by creating a personalized body of work based on a central idea. Personal expression and an artistic voice are required. This collection of photographs is submitted as a portfolio to the College Board in May. Students will need a digital camera (or high-quality phone camera.)

CERAMICS I (Offered 10, 11, 12. One year. Prerequisite: None.) Entry-level course where students will create functional and sculptural artwork in clay. Students will learn various hand-building techniques such as pinch, coil, slab, and drape construction, and finish techniques including glaze and paint.

CERAMICS II (Offered 11, 12. One year. Prerequisites: Teacher recommendation.) Advanced level course where students continue hand-building techniques using clay.

CERAMICS III Honors (Offered 12. One year. Prerequisites: Teacher recommendation.) Advanced level course where students continue hand-building techniques using clay.