

Terry Parker High School Curriculum Guide 2009 – 2010



Principal Mr. Addison Davis
Assistant Principal for Curriculum Mrs. Nance McLeish
Curriculum Secretary Mrs. Carol Harms
Guidance Secretary Mrs. Jill Clothier

Smaller Learning Communities

Humanities and Expressive Arts

Assistant Principal: Mr. Ernest Woodard
Guidance Counselor: Ms. Catherine Bekkedal

International Business

Assistant Principal: Ms. Amber Mayes
Guidance Counselor: Mrs. Christy Thacker

Science • Technology • Engineering • Math

Assistant Principal: Ms. Erica Trent
Guidance Counselor: Mr. Clinton Baker

Renaissance

Assistant Principal: Mrs. Nance McLeish
Guidance Counselor: Assigned by Student SLC

Ninth Grade Counselor

Ms. Edith Vanderhoek

CHOOSING YOUR COURSES

1. Study the courses in the program of studies and go over possible choices with your teachers as you meet with them during the registration period.
2. Take the program of studies home and discuss your course selections with your parents or guardians.
3. Write down any questions you have for your teachers and counselor.
4. Complete the top portion of your registration form with your proper name and contact information.
5. Paying close attention to course requirements outlined in the program of studies, select your courses.
6. Clearly indicate your elective choices by ranking them in priority order. Every effort is made to give you your top choices; however, if there is a scheduling conflict alternate course selections must be made. If you do not choose alternate courses, one or more will be selected for you and will not be changed at a later date.
7. Ensure that both you and your parent or guardian sign your registration form.
8. Turn in your completed registration form on or before the deadline to the designated person at school.

COURSE CANCELLATION

Terry Parker High School reserves the right to drop any course due to insufficient enrollment.

CHANGE OF SCHEDULE

The registration process and the development of student schedules takes place in the spring at which time faculty and staff counsel with students. The process includes input from students, parents, teachers, counselors and administrators. The school's master schedule is built and new staff hired based on the registration requests. Students are expected to honor their commitments and to attend and complete the courses for which they register during the registration period. Requests for schedule changes, therefore, will be considered only for the following reasons:

1. If a student has already earned credit for the course.
2. If a student has failed to meet the prerequisite for the course.
3. If a student is scheduled for too many or not enough courses.
4. If there was a clerical error.
5. Documented medical problem.

ACHIEVEMENT LEVELS

Courses at Terry Parker High School are provided for each student's developmental level. A multi-level structure has been established to provide for these differences and to provide for individualized instruction. Teachers will make a recommendation for a particular level. In most cases the final decision concerning course selection rests with the student and parents.

Honors, Dual-Enrollment, and Advanced Placement courses are designed for the highly motivated student with above average achievement. Terry Parker High School practices an open enrollment policy and encourages students to participate in rigorous, college preparatory courses.

DUAL ENROLLMENT

Dual-enrollment courses are college level courses for which a student may earn both college credit and high school credit. Dual-enrollment courses are available only to juniors and seniors. Some courses are offered on our campus and are a part of a student's daily schedule. Other courses may be taken during the day or evening on a Florida Community College at Jacksonville campus. In order to take one or more dual enrollment courses, a junior or senior must meet the following requirements:

- 1) Have an un-weighted GPA of a 3.0 or higher.
- 2) Be recommended by his/her counselor.
- 3) Have an acceptable score (as determined by FCCJ) on either the SAT, ACT, or College Placement Test (CPT). If a student does not have an SAT or ACT score when registering, he/she will be required to take the CPT.
- 6) Be academically motivated to accept the challenge of college level work.

Students interested in taking dual-enrollment courses must work closely with their high school counselor and the dual-enrollment coordinator at FCCJ to plan their schedule accordingly. Students interested in taking dual enrollment courses during the fall term should contact their counselor before June. To take courses during the Spring term, students will need to contact their counselor in early November.

GRADING SCALE

The following is the current grading scale for Duval County Schools for grades 9-12:

A	90 – 100
B	80 – 89
C	70 – 79
D	60 – 69
F	0 – 59

Students receive a letter grade for each nine-week grading period. The grade for the district-administered end of course exam is factored into the final grade for each semester.

Report cards are sent home four times each school year at the end of each nine-week grading period. Progress reports are issued at the mid-point of each grading period.

WEIGHTED COURSES

All classes designated Honors or Advanced Placement will receive weighted grades according to the following grading scale:

Letter Grade	Quality Points
A	5
B	4
C	3
D	2

On the following page, you will find the specific course requirements necessary for high school graduation.

SAT AND ACT

Registration packets for both the SAT and ACT are available year-round in the guidance office. Test dates and registration deadlines can be found in the registration information. Terry Parker High School is a testing center. When registering for either test, students will need the CEEB code for Terry Parker High School.

PSAT

The Preliminary Scholastic Aptitude Test (PSAT) is administered each October to all 10th, and 11th grade students. As a result of our designation as a College Board Excelsior School, this test is offered free of charge to all Terry Parker students in these grades. Students who take the examination during their junior year are eligible to enter the National Merit Scholar Competition based on their test score. Students can be recognized as semi-finalists, finalists, and/or National Merit Scholars. Students who become National Merit Scholars are often eligible for scholarships both from the National Merit organization and/or their post-secondary institution.

NATIONAL HONOR SOCIETY

National Honor Society (NHS) is a national academic honor club. Students are selected as second semester sophomores, juniors, and seniors. The basis for selection includes a 3.5 or higher cumulative grade point average, community service, character, and leadership. A student's activity in other

school organizations is also considered in the selection process. For more information, contact the faculty sponsor.

BRIGHT FUTURES SCHOLARSHIP PROGRAM

The Florida Bright Futures Scholarship program consists of three scholarships funded through lottery dollars and awarded to eligible Florida high school graduates planning on continuing their education at any eligible Florida post-secondary institution. Your guidance counselor can provide you with information and requirements for each scholarship award. You can also visit the Bright Futures website at:

http://www.floridastudentfinancialaid.org/ssfad/bf/fa_srequire.htm

FLORIDA VIRTUAL SCHOOL

Students have the opportunity to earn credit each school year through the online Florida Virtual School. Students should be self-motivated and task oriented to successfully complete this type of course. Visit the website at www.flvs.net for course and enrollment information. Counselor approval is required.

Duval County Public Schools High School Graduation Requirements

Courses	For students entering grade 9 prior to 2006-2007	For students entering grade 9 for the first time in 2006-2007	For students entering grade 9 for the first time in 2007-2008 and later
English	4 credits (major concentration in composition and literature)	4 credits (major concentration in composition and lit)	4 credits (include writing requirements appropriately rigorous – not just a lit course)
Mathematics	3 credits (one of which must be Algebra I, one of which must be geometry or their equivalent)	4 credits in grades 9-12 1 Algebra I - req 1 geometry- req 1 Algebra II – req 1 additional math	4 credits taken in grades 9-12 1 Algebra I – required 1 geometry – required 1 Algebra II – required 1 additional math
Science	3 credits 1 biology 2 physical sciences (chemistry, physics, E/S) [two must have a laboratory component]	4 credits 1 biology 2 physical sciences (chemistry, physics, E/S)[two must have lab component] 1 additional science	4 credits 1 biology 2 physical sciences (chemistry, physics, E/S) [two must have lab component] 1 additional science
Add Math or Science	1 credit		
Social Studies	3 credits 1 world history 1 American history ½ American government ½ economics	3 credits 1 world history 1 American history ½ Am. Govt. ½ economics	3 credits 1 world history 1 American history ½ American government ½ economics
World Language*	Not required for high school graduation; 2 credits required for state university admission	2 credits (grades9 – 12) which include consecutive courses in the same language	2 credits (grades 8 – 12) which include consecutive courses in the same language
Practical Career Education and/or Visual/Performing Fine Arts	1 credit practical arts career education or exploratory career education <u>or</u> <u>1 credit performing fine arts or</u> <u>½ credit practical arts and</u> <u>½ credit performing fine arts</u>	1 credit practical arts career education or exploratory career education <u>or</u> <u>1 credit PFA or</u> <u>½ credit practical arts and</u> <u>½ credit PFA</u>	1 credit performing fine arts
Keystone		½ credit	1 credit
Life Management Skills	½ credit	½ credit	
Physical Education	1 credit (including ½ credit of Personal Fitness and ½ credit PE elective)	1 credit (including ½ credit of PF and ½ credit PE elective)	1 credit H.O.P.E.
Personal, Social, Family Relationships	½ credit		
Majors and Electives***	7 credits	6 credits	6 credits including 4 credits in a major area of interest
Total	24 credits	26 credits	26 credits
State Assessment Requirements	earn passing scores on the FCAT (grade 10) Reading/Math	earn passing scores on the FCAT (grade 10) Reading/Math	earn passing scores on the FCAT (grade 10) Reading/Math
Grade Point Average Requirements (GPA)	earn a cumulative, unweighted GPA of 2.0 on a 4.0 scale	earn a cumulative, unweighted GPA of 2.0 on a 4.0 scale	earn a cumulative, unweighted GPA of 2.0 on a 4.0 scale

Introduction to Academies
A Personalized Education Plan for every student

Jobs in the 21st century require high academic and technical skills. There will be more than 20,000 new job titles created during the next year. To prepare for this challenging labor market, it is necessary for students as early as the 7th and 8th grade to begin thinking about the types of occupations they may want to pursue.

All students entering Terry Parker High School (TPHS) for the first time as ninth graders enroll in the Freshman Academy. Students may also begin to take available electives according to their Major Area of Interest (MAI) within a Smaller Learning Community (SLC). After completion of the freshman year, students formally enter one of three SLC's:

Humanities and Expressive Arts
International Business
Science, Technology, Engineering, and Math

Sophomores may also elect to become a member of one of the following Academies within the SLC's. The current academy offerings at TPHS are:

ACES: Academy of Coastal and Environmental Sciences (STEM SLC)
Academy of Hospitality and Tourism (International Business SLC)
Culinary Academy (International Business SLC)
International Business Academy (International Business SLC)

A Small Learning Community (SLC) is any separately defined, individualized learning unit within a larger school setting. Students and teachers are scheduled together and frequently have a common area of the school in which to hold most or all of their classes (Sammon, 2000).

Academies are a type of school-within-a-school that provides a college-preparatory curriculum with a career-related theme. They have three basic features:

First, academies are small learning communities. An academy comprises a cluster of students who have some of the same teachers for at least two years, and who share several classes each year. Teachers from academic and technical disciplines meet with each other on a regular basis, and share in decision-making related to curriculum, content, and instruction.

Second, academies combine a college-preparatory curriculum with a career theme. Academic courses that meet high school graduation and college entrance requirements are linked with technical courses that focus on the academy's field of work. Work-based learning opportunities for students tie classroom activities to internships with local employer partners. College and career counseling informs students about options and planning for employment and further education.

Third, academies embody partnerships with employers. An advisory group for the academy includes representatives for the local employer community, and academy faculty. Representatives give advice on curriculum, appear as guest speakers in classes, supervise student internships, and some serve as mentors for individual students.

This directory is designed to assist students, parents, teachers, and school counselors in creating a "personalized education plan." Using students' career interest and aptitude information, and an educational planning conference, counselors and parents can help students develop a "personalized" high school graduation plan that will provide the opportunity for success in their post-secondary education and career goals.

Please note that some of the courses listed in this directory will not be offered during this academic year. The information has been included so that students can do long term academic planning.

Scheduling Guideline

The following is a *suggested* guideline for selecting courses in each category. Students will take one course in each category, as approved by the Guidance Department.

9th Grade	10th Grade
<ol style="list-style-type: none">1. English I English I Honors2. Algebra I Geometry Honors3. Earth Space Science Biology I Honors4. World Cultural Geography AP Human Geography5. HOPE: Health Opportunities through Physical Education	<ol style="list-style-type: none">1. English II English II Honors2. Geometry Liberal Arts Math Algebra II Algebra II Honors3. Biology I Chemistry I Honors4. World History AP World History5. Spanish I French I German I
<div style="border: 1px dashed black; padding: 5px;"><ol style="list-style-type: none">6. ELECTIVE COURSES TOWARD MEETING7. THE MAJOR AREA OF INTEREST (MAI) REQUIREMENTS, AS APPROVED BY THE GUIDANCE DEPARTMENT (2)</div>	<div style="border: 1px dashed black; padding: 5px;"><ol style="list-style-type: none">6. ELECTIVE COURSES TOWARD MEETING7. THE MAJOR AREA OF INTEREST (MAI) REQUIREMENTS, AS APPROVED BY THE GUIDANCE DEPARTMENT (2)</div>

NOTES: _____

11th Grade

1. English III
English III Honors
AP English Language
2. Algebra II
Liberal Arts Math
Advanced Topics
Probability and Statistics
Trigonometry / Analytic Geometry
Analysis of Functions
Pre-Calculus
3. Chemistry I
Physics I
AP Biology
AP Chemistry
4. American History
AP American History
5. Spanish II
French II
German II

6. ELECTIVE COURSES TOWARD MEETING
7. THE MAJOR AREA OF INTEREST (MAI)
REQUIREMENTS, AS APPROVED BY THE
GUIDANCE DEPARTMENT

12th Grade

1. English IV
Dual Enrollment English Composition
AP English Literature
2. Algebra II
Advanced Topics
Dual Enrollment College Algebra
Probability and Statistics
Trigonometry / Analytic Geometry
Analysis of Functions
AP Statistics
AP Calculus
3. Physics I
Environmental Science
Marine Science
Zoology
Anatomy and Physiology Honors
AP Biology
AP Chemistry
AP Environmental Science
AP Physics
4. American Government / Economics*
or
AP American Government/ AP Macroeconomics*

AP Microeconomics **
AP Psychology **

5. ELECTIVE COURSES TOWARD MEETING
6. THE MAJOR AREA OF INTEREST (MAI)
7. REQUIREMENTS, AS APPROVED BY THE
GUIDANCE DEPARTMENT

* ½ credit courses required for graduation
** Social Studies elective courses

NOTES: _____

Course Description List

VISUAL AND FINE ARTS

0100300 AP ART HISTORY 1 CREDIT
 GRADE LEVEL (11-12)

The purpose of this course is to introduce students to the appreciation of works of art, the critical examination of works of art, and to major forms of expression in Western art from 1400 to the present. This is a college-level course. Students are required to take the Advanced Placement Art History Exam in the spring and may be awarded college credit for a passing score.

0101330 3D DESIGN COMPREHENSIVE I .5 CREDIT
 GRADE LEVEL (9-12)

The purpose of this course is to enable students to communicate ideas and concepts through basic three-dimensional design and composition, and develop appreciation of exemplars in varied cultures and historical periods. The content should include, but not be limited to, the following: use of tools and materials; art vocabulary; varied three-dimensional media, technology, processes, and techniques; elements of art and principles of design; critical thinking and analysis; historical and cultural perspectives; connections between visual arts and other subject areas; and personal and social benefits of art.

0102300 CERAMICS / POTTERY I .5 CREDIT
 GRADE LEVEL (9-12)

An introduction to the basic skills and techniques of pottery construction and decoration. Students will develop knowledge of clay, glaze, and ceramic terms and applications. Craftsmanship will be stressed.
Paired with 3D Art (Sculpture)

0102310 CERAMICS / POTTERY II 1 CREDIT
 GRADE LEVEL (10-12)

An advanced approach to the design and construction of hand-built pottery, clay sculpture, and the potter's wheel. Students will be encouraged to develop a personal style in their artwork. Art criticism and the study of historically important three-dimensional art will be included in the course.
Prerequisite: Ceramics / Pottery I

0102320 CERAMICS / POTTERY III 1 CREDIT
 GRADE LEVEL (10-12)

An advanced course with emphasis on the expression of individual concepts and ideas. Students will gain experience with the potter's wheel, glaze making, working on large objects, and art criticism.
Prerequisite: Ceramics / Pottery II

0104300 AP STUDIO ART 1 CREDIT
 GRADE LEVEL (12)

This is a class for highly motivated art students to complete college level work. A portfolio consisting of

three sections is prepared: (1) *Quality*-showing excellence in original works; (2) *Concentration* in-depth, personal commitment to a particular artistic concern; (3) *Breadth*-a variety of experiences using the formal, technical, and expressive means available to an artist.
Prerequisite: Portfolio I

0104310 2D ART .5 CREDIT
 GRADE LEVEL (9-12)

A class for the beginning art student with an introduction to two-dimensional art elements and principles through basic drawing and painting techniques. A variety of media will be explored.
Paired with Drawing I

0104320 DRAWING / PAINTING I 1 CREDIT
 GRADE LEVEL (9-12)

An introduction to drawing and painting techniques using a variety of media and techniques. Art history and art criticism will also be introduced.

0104330 DRAWING / PAINTING II 1 CREDIT
 GRADE LEVEL (10-12)

A more in-depth approach to drawing and painting techniques for the serious art student. This class encourages individual expression and exploration. Art history and art criticism will be explored.
Prerequisite: Drawing / Painting I

0104340 DRAWING I .5 CREDIT
 GRADE LEVEL (9-12)

An introduction to drawing techniques using a variety of dry media.
Paired with 2D Art

0104350 DRAWING II .5 CREDIT
 GRADE LEVEL (10-12)

Builds on the foundational techniques acquired in Drawing I or Drawing / Painting I. Students explore more advanced modes of expression.
Prerequisite: Drawing I or Drawing / Painting I

0104360 DRAWING III .5 CREDIT
 GRADE LEVEL (10-12)

A more in-depth approach to drawing techniques with concentration on individual expression. Historical art works will be studied.
Prerequisite: Drawing II

0109310 PORTFOLIO I 1 CREDIT
 GRADE LEVEL (11-12)

An introduction to the development of a portfolio for students of art. This course provides emphasis on the production of original and imaginative works of art that reflect an understanding of the elements of art, principles of design, and varied forms of expression.
Prerequisite: Drawing/Painting II or Drawing III

0109320 PORTFOLIO II 1 CREDIT
GRADE LEVEL (12)

A continuation of Portfolio I, students develop a portfolio containing an artist's statement and a diverse range of original, advanced works of art. The course also provides an emphasis on uses, management, and inventory of portfolios, criteria for selection and inclusion of works of art, and critical evaluation of a body of personal work for quality, breadth, and concentration.

Prerequisite: Portfolio I

0109330 PORTFOLIO III 1 CREDIT
GRADE LEVEL (12)

A culmination of the processes explored in Portfolio I and II, students develop a portfolio containing an artist's statement and a diverse range of original, professional-quality works of art. Building on the content mastered in Portfolio II, students also explore historical and cultural influences on the creative process and career opportunities in artistic fields.

Prerequisite: Portfolio II

WORLD LANGUAGES

0701320 FRENCH I 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to begin to acquire proficiency in French through a linguistic, communicative, and cultural approach to language learning. Emphasis is placed on the development of listening, speaking, reading, and writing skills and on acquisition of the fundamentals of applied grammar. Cross-cultural understanding is fostered, and real-life applications are emphasized throughout the course.

0701330 FRENCH II 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to expand listening and oral skills previously acquired in the study of French. The primary objective of the course is effective oral communication with additional emphasis on reading and writing, and a cultural survey of French-speaking people.
Prerequisites: French I or permission of the instructor

0701340 FRENCH III 1 CREDIT
GRADE LEVEL (11-12)

The purpose of this course is to enable students to enhance proficiency in French through a linguistic, communicative, and cultural approach to language learning. There is continued emphasis on the development of listening, speaking, reading, and writing skills. Experiences with French literature are broadened. Cross-cultural understanding is fostered, and real-life applications are emphasized throughout the course. Students are encouraged to develop proficiency in the conversational expression of feelings, ideas, and opinions in French, social interaction patterns within

French culture(s), and connections between the French language and culture(s) and other disciplines.

Prerequisite: French II or permission of the instructor

0701380 AP FRENCH LANGUAGE 1 CREDIT
GRADE LEVEL (11-12)

The purpose of this course is to develop oral and written fluency in French. Major areas of study include: the comprehension of formal and informal spoken French; proficiency in contemporary French vocabulary and syntax allowing for the accurate reading of newspaper and magazine articles, as well as of modern French literature; composition of expository passages; and the expression of ideas orally with accuracy and fluency. This is a college-level course. Students are required to take the Advanced Placement French Language Exam in the spring and may be awarded college credit for a passing score.

Prerequisite: French III or permission of the instructor

0702320 GERMAN I 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to begin to acquire proficiency in German through a linguistic, communicative, and cultural approach to language learning. Emphasis is placed on the development of listening, speaking, reading, and writing skills and on acquisition of the fundamentals of applied grammar. Cross-cultural understanding is fostered and real-life applications are emphasized throughout the course.

0702330 GERMAN II 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to expand listening and oral skills previously acquired in the study of German. The primary objective of the course is effective oral communication with additional emphasis on reading and writing, and connections between the German language and culture and other disciplines.
Prerequisites: German I or permission of the instructor

0708340 SPANISH I 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to begin to acquire proficiency in Spanish through a linguistic, communicative, and cultural approach to language learning. Emphasis is placed on the development of listening, speaking, reading, and writing skills and on acquisition of the fundamentals of applied grammar. Cross-cultural understanding is fostered, and real-life applications are emphasized throughout the course.

0708350 SPANISH II 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to expand listening and oral skills previously acquired in the study of Spanish. The primary objective of the course is effective oral

communication with additional emphasis on reading and writing, and connections between the Spanish language and culture and other disciplines. *Prerequisites: Spanish I or permission of the instructor*

0708360 SPANISH III 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to enhance proficiency in Spanish through a linguistic, communicative, and cultural approach to language learning. There is continued emphasis on the development of listening, speaking, reading, and writing skills. Experiences with Spanish literature are broadened, cross-cultural understanding is fostered, and real-life applications are emphasized throughout the course. Students are encouraged to develop proficiency in the conversational expression of feelings, ideas, and opinions in Spanish, social interaction patterns within Spanish-speaking culture(s), and connections between the Spanish language and other disciplines.

Prerequisite: Spanish II or permission of the instructor

0708400 AP SPANISH LANGUAGE 1 CREDIT
GRADE LEVEL (11-12)

The purpose of this course is to develop oral and written fluency in Spanish. Major areas of study include: the comprehension of formal and informal spoken Spanish; proficiency in contemporary Spanish vocabulary and syntax allowing for the accurate reading of newspaper and magazine articles, as well as of modern Spanish and Hispanic-American literature; composition of expository passages; and the expression of ideas orally with accuracy and fluency. This is a college-level course. Students are required to take the Advanced Placement Spanish Language Exam in the spring and may be awarded college credit for a passing score.

Prerequisite: Spanish III or permission of the instructor

ENGLISH, LANGUAGE ARTS, AND READING

100410 INTENSIVE READING 1 CREDIT
GRADE LEVEL (9-12)

This course provides comprehensive instruction and practice using reading skills and strategies. Students explore high-interest fiction and informative texts as they build stamina and reading ability. Students are also provided extensive opportunities for individualized instruction from a highly-qualified reading instructor.

Intensive Reading is offered only as elective credit and does not replace the required English course.

Required for students scoring a Level 1 on FCAT Reading

1001310 ENGLISH I 1 CREDIT
GRADE LEVEL (9)

Students explore a variety of literary genres to build critical thinking and writing skills. The curriculum makes extensive use of collaborative learning strategies and self-reflection to prepare students for post-secondary academic success.

1001320 ENGLISH I HONORS 1 CREDIT
GRADE LEVEL (9)

In addition to the curriculum provided in English I, students complete extensive independent reading assignments in preparation for advanced work. The course introduces the fundamentals of literary analysis and critical writing necessary for success in Advanced Placement English Composition and Literature.

Prerequisite: Suggested FCAT Reading Level 3 or higher

1001340 ENGLISH II 1 CREDIT
GRADE LEVEL (10)

Students continue to build on their understanding of informational texts and fiction by applying the skills acquired in English I. The course combines rigorous instruction with engaging, interactive strategies and self-reflection to prepare students for post-secondary academic success.

Prerequisite: English I

1001350 ENGLISH II HONORS 1 CREDIT
GRADE LEVEL (10)

In addition to the curriculum provided in English II, the Honors course includes extended and complex writing components, both timed and untimed, frequent analysis of literary texts, and a rigorous independent reading requirement designed to prepare students for success in Advanced Placement English Composition and Literature.

Prerequisite: Suggested FCAT Reading Level 3 or higher and English I Honors

1001370 ENGLISH III 1 CREDIT
GRADE LEVEL (11)

Students explore a variety of genres from American literature, both classic and contemporary. Through collaborative strategies, project based learning, and self-reflection, students gain the fundamental skills necessary for success in post-secondary studies.

Prerequisite: English II

1001400 ENGLISH IV 1 CREDIT
GRADE LEVEL (12)

Students continue to apply reading and collaborative strategies to a diversity of texts, with an emphasis on English literature. Students write in a variety of genres in preparation for post-secondary work or entrance into the job market.

Prerequisite: English III

ENC1101 DUAL ENROLLMENT ENGLISH COMPOSITION
LIT2000 DUAL ENROLLMENT INTRO. TO LITERATURE
GRADE LEVEL (11-12) 1 CREDIT EACH

Earn 6 hours of college credit while still in high school. The combined courses embody the fundamentals of effective expression, with emphasis on the various forms of expository writing, on logical and imaginative thinking, and on reading for understanding. Instruction in sentence structure, diction, essay organization, and usage of standard American English is included. Both

courses satisfy the graduation requirement for English III and/or English IV.

Prerequisite: See Guidance for specific eligibility requirements for Dual Enrollment

1001420 AP ENGLISH LANGUAGE 1 CREDIT
GRADE LEVEL (11)

AP English Language prepares students to apply the fundamentals of rhetorical analysis to a broad spectrum of challenging texts. Extensive reading assignments from a diversity of prose works spanning the 17th to the 21st century are required. Students complete frequent writing assignments to build skills in composition and literary analysis necessary for post-secondary work. In addition to essays, criticism, and research, students also read a survey of classic works from American Literature. This is a college-level course. Students are required to take the Advanced Placement English Language Exam in the spring and may be awarded college credit for a passing score.

Prerequisite: Completion of English II honors with a final average of B or higher and a score of 3 or above on the FCAT are strongly suggested.

1001430 AP ENGLISH LITERATURE 1 CREDIT
GRADE LEVEL (12)

AP English Literature equips students with the analytical skills necessary to explore complex works of fiction. Students read extensively from classic and contemporary masters of prose, drama, and poetry, and complete a demanding independent reading requirement. Frequent essays, both timed and researched, will be assigned to build analytical proficiency. This is a college level course. Students are required to take the AP English Literature Exam in the spring and may be awarded college credit for a passing score.

Prerequisite: Completion of AP English Language with a final average of B or higher and a score of 3 or above on the FCAT are strongly suggested.

COMMUNICATIONS AND LANGUAGE ARTS ELECTIVES

10063340 MASS MEDIA I 1 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop fundamental skills in production for various mass media formats. Major content areas include: various types and purposes of mass media; ethics and responsibilities in mass media; philosophy and impact of various programs; production of mass media; analysis of mass media; and the impact of mass media on history, culture, and politics.

1006350 MASS MEDIA II 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to develop intermediate skills in production for various mass media formats. Students will gain knowledge in the following areas: various types of mass media and their

purposes; ethics and responsibilities involved in mass media production; the need and impact of various types of programming; and the construction of projects using multiple media formats.

Prerequisite: Mass Media I

1006360 MASS MEDIA III 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to develop proficiency in the construction of projects utilizing various types of mass media. Students will gain depth of knowledge in the following areas: various types of mass media and their purposes; ethics and responsibilities involved in mass media production; the need and impact of various types of programming; critical analysis of various mass media programs; a sophisticated understanding of the impact of mass media on history, culture, and politics; and proficiency in the construction of projects using multiple media formats.

Prerequisite: Mass media II

1006370 MASS MEDIA IV 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to develop advanced skills in the construction of projects utilizing various types of mass media. Students will gain depth of knowledge in the following areas: emergent types of mass media and their purposes; ethics and responsibilities involved in mass media production; the need and impact of various types of programming; critical analysis of various mass media programs; a mature understanding of the impact of mass media on history, culture, and politics; and mastery in the construction of projects using multiple media formats.

Prerequisite: Mass Media III

1007300 SPEECH I 1 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop fundamental skills in formal and informal oral communication. Major topics include: formal and informal oral communication skills; forms of oral communication; techniques of public speaking; research, organization, and writing for public speaking; and analysis of public speaking.

1007310 SPEECH II 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to develop intermediate level skills in formal and informal oral communication. Major topics include: formal and informal oral communication skills; forms of oral communication; techniques of public speaking; research, organization, and writing for public speaking; and analysis and evaluation of public speaking.

Prerequisite: Speech I

1100300 TV PRODUCTION I 1 CREDIT
GRADE LEVEL (9-12)

This course provides opportunities for students to develop skills in basic video camera operation and postproduction skills in graphics, audio, and editing. Students also acquire a fundamental knowledge of the history of television and its impact on society. Scriptwriting and storyboarding are also introduced, and students acquire a basic understanding of direction and production of video projects.

1100310 TV PRODUCTION II 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is for students to gain knowledge in the application of television skills in the planning, directing, and recording of television Programs. Students will also demonstrate the ability to write script and dialogue for a television program and will demonstrate the ability to produce a television program. Students in TV Production II play a major role in the daily production of the WTPHS news program.

Prerequisite: TV Production I

1100320 TV PRODUCTION III 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to develop advanced skills in television production and to synthesize these skills in planning, directing, and producing television programs. Major content areas include: the synthesis of skills in writing, producing, directing, and editing television programs; development of advanced set design; and application to advanced skills to independent television projects.

Prerequisite: TV Production II

1100330 TV PRODUCTION IV 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is for students to gain independence in planning, writing, producing, supervising, and performing in television productions. Independent and collaborative activities are an integral part of the course and should include hands-on experience in creating original television programs. Students will also have opportunities to explore creative and original endeavors in video production.

Prerequisite: TV Production III

1100340 TV PRODUCTION V 1 CREDIT
GRADE LEVEL (11-12)

The purpose of this course is to enable students to develop advanced skills in television and video production. Major content areas include: roles of the television production team; operation of sound and video equipment; script writing and storyboarding for production; graphics and editing techniques; direction and production of video projects; critical analysis of television productions; practice in various journalistic styles; organization and management techniques related

to journalistic production; and leadership skills necessary for project completion.

Prerequisite: TV Production IV

1100350 TV PRODUCTION VI 1 CREDIT
GRADE LEVEL (11-12)

The purpose of this course is to enable students to develop advanced skills in television and video production. Major content areas include: roles and coordination of the television production team; operation of sound and video equipment; script writing and storyboarding for production; graphics and editing techniques; direction and production of independent video projects; critical analysis of television production; marketing and promotional techniques; organization and management techniques related to journalistic production; and leadership skills necessary for project completion.

Prerequisite: TV Production V

0400310 DRAMA I 1 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop fundamental skills in the multiple elements of theatre as a collaborative art. Major areas of study include: acting and characterization; movement and vocal production; pantomime and improvisation; theatre terminology; script elements; and artistic discipline.

0400320 DRAMA II 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to develop basic skills in the multiple elements of theatre as a collaborative art. Major areas of study include: acting and characterization; movement and vocal production; pantomime and improvisation; theatre terminology; script elements; artistic discipline; theatre history and influences; technical theatre and design; - playwriting; theatre production; roles and careers in theatre arts; and relationships between theatre arts and other disciplines.

Prerequisite: Drama I

1009320 CREATIVE WRITING I 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to develop and use fundamental writing and language skills for creative expression in a variety of literary forms. Emphasis will be on development of a personal writing style. Students will analyze a variety of literary models for purpose, impact, and stylistic elements. The course utilizes a workshop format, and students are encouraged to participate in peer review sessions as a part of the writing process. Writers will have the opportunity to publish final products in a variety of formats, including both traditional and electronic media.

1009330 CREATIVE WRITING II 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to develop and use intermediate-level writing and language skills for creative expression in a variety of literary forms. Emphasis will be on development of a **personal** writing style. Through the analysis of literary models for purpose, impact, and stylistic elements, students will gain facility with a mature command of language for artistic effect. Peer review techniques will be employed in a writer's workshop model as students revise work for publication in a variety of formats, including both traditional and electronic media.

Prerequisite: Creative Writing I

1006300 JOURNALISM I 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to develop fundamental skills in the production of print or electronic journalistic media. Major areas of study include: writing processes; production skills for varied media; history and ethics of journalism; applications and issues in photojournalism; analysis of journalistic media; organization and management techniques; technology for research, production, and dissemination; and careers in journalism.

1006310 JOURNALISM II 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to develop basic skills in the production of print or electronic journalistic media. Major areas of focus include: production skills, including layout design and storyboarding, for electronic media; knowledge of the history and evolution of journalism; the responsible and ethical use of information, including First Amendment protection, copyright, and intellectual freedom; the social, cultural, and political consequences of media manipulation and misrepresentation; organization and management techniques necessary for producing journalistic media; use of technology for research, production, and dissemination media; analysis of varied journalistic documents; and an understanding of varied careers in journalism.

Prerequisite: Journalism I

MATH

1200400 INTENSIVE MATHEMATICS 1 CREDIT
GRADE LEVEL (9-12)

This course is designed to provide concentrated practice for students who need to build fundamental math proficiency. Course work emphasizes the skills tested on the FCAT. *Intensive Math counts as an elective credit and does not replace the required math course.*

Course may be required for students scoring a Level 1 on FCAT Math.

1200310 ALGEBRA I 1 CREDIT
GRADE LEVEL (9)

Algebra I provides the foundation for more advanced mathematics courses. Topics include: sets, variables, structure and properties of the real number system, first-degree equations/inequalities, relations and functions, graphs, systems of linear equations and inequalities, integral exponents, polynomials, factoring, irrational numbers, radical expressions, quadratic equations and application problems.

12006300 LIBERAL ARTS MATH 1 CREDIT
GRADE LEVEL (10-12)

This course is designed to help students strengthen mathematical skills required for entrance into college or for further study of advanced mathematics. Topics include: operations of real numbers, ratio and proportion, percents, the algebra of sets, integers, polynomials, factoring, algebraic expressions, equations and inequalities, graphs, systems of linear equations and inequalities, quadratic equations and the geometry of angles, lines, polygons, similarity and congruence.

Prerequisite: Algebra I

1206310 GEOMETRY 1 CREDIT
GRADE LEVEL (9-12)

The study of geometry emphasizes critical thinking involving the discovery of relationships and their proofs. Students acquire skill in applying deductive methods to mathematical situations, including logic and reasoning, Euclidean geometry, the study of lines, planes, angles, triangles, similarity, congruence, geometric inequalities, polygons and circles, and area and volume.

Prerequisite: Algebra I

1206320 GEOMETRY HONORS 1 CREDIT
GRADE LEVEL (9)

This course provides an in-depth study of geometry with emphasis on the formal language of mathematics: structure of geometry, separation properties, angle concepts, triangles, quadrilaterals, proofs, perpendicularity and parallelism in a plane and in space, similar polygons, circles and spheres, constructions, area and volume, coordinate geometry, topology and transformational geometry.

Prerequisites: A or B in Algebra I and teacher recommendation suggested

1200330 ALGEBRA II 1 CREDIT
GRADE LEVEL (10-12)

Algebra II continues the study of algebraic structure and provides a foundation for the application of these skills to other mathematical and scientific fields. Topics include: the review and extension of real number system structure and properties, relations, functions and graphs, polynomials and rational expressions, quadratic equations and inequalities, polynomial functions, rational and irrational exponents, logarithms, complex numbers, and application problems. *Prerequisites: Geometry*

1200340 ALGEBRA II HONORS 1 CREDIT
GRADE LEVEL (9-10)

Algebra II Honors emphasizes the theory, proof, and development of formulas, as well as their practical application to a variety of settings. Topics include: algebraic structure, first-degree equations in one and two variables solved algebraically and graphically, systems of equations and inequalities, functions and relations, polynomials and rational expressions, exponents and radicals, logarithms, complex numbers, conic sections, polynomial equations, sequences and series, permutations, combinations and probability, and matrices

Prerequisites: A, B, or C in Geometry Honors or A in Geometry and teacher recommendation suggested

1298310 ADVANCED TOPICS 1 CREDIT
GRADE LEVEL (11-12)

The purpose of this course is to enhance and continue the study of mathematics after Algebra II and to provide a college level foundation for students not aspiring to a math, science, or technical major. Topics include: logic, Venn diagrams, real and complex number systems, geometric relationships, functions, graphs of polynomials, exponential and logarithmic equations, data analysis, sequences and series, matrices, trigonometric functions, and conic sections.

Prerequisite: Algebra I, Geometry, and Algebra II

MAC1105 DUAL ENROLLMENT 1 CREDIT
COLLEGE ALGEBRA GL (11-12)

Students may earn college credit through the successful completion of this course. Major topics of study include: linear equations and inequalities, quadratic equations and inequalities, relations and functions, graphs, systems of equations and inequalities, exponential and logarithmic functions, and real-world applications of these concepts.

Prerequisites: Algebra II. See Guidance for additional eligibility requirements for Dual Enrollment courses

1206330 ANALYTIC GEOMETRY .5 CREDIT
GRADE LEVEL (10-12)

Analytic Geometry studies the relationship between abstract algebraic equations and their concrete representation through geometrically derived graphs. Emphasis is placed on graphing conic sections. In conjunction with Trigonometry, this course satisfies Florida Academic Scholars Program requirements for a 3rd or 4th math credit.

Prerequisite: Algebra II

1211300 TRIGONOMETRY .5 CREDIT
GRADE LEVEL (10-12)

Trigonometry studies ratios in triangles and circles and their applications to real-world problem-solving, including the study of sinusoidal wave behavior. In conjunction with Analytic Geometry, this course satisfies

Florida Academic Scholars Program requirements for a 3rd or 4th math credit.

Prerequisite: Algebra II

1201310 ANALYSIS OF FUNCTIONS 1 CREDIT
GRADE LEVEL (11-12)

The course is designed for students who have completed Algebra II. Topics include: the study of polynomial and rational functions, exponential and logarithmic functions, and trigonometric and circular functions. Some probability and statistics may also be introduced.

Prerequisites: Algebra II and teacher recommendation suggested

1210300 PROBABILITY AND STATISTICS 1 CREDIT
GRADE LEVEL (11-12)

The purpose of this course is to explore the concepts of probability, statistics, and hypothesis testing. The content will include, but not be limited to the following: Binomial distribution, concepts of descriptive statistics, concepts of nonparametric statistics, hypothesis testing, measures of central tendency, sampling theory, combinations and permutations, concepts of inferential statistics, the normal distribution, correlation and regression, and randomness.

Prerequisites: Algebra II and teacher recommendation suggested

1202340 PRE-CALCULUS 1 CREDIT
GRADE LEVEL (11-12)

This course is recommended preparation for AP Calculus. Major topics include: the study of algebraic, rational, polynomial, exponential, and logarithmic functions and equations, graphing of conic sections, plane trigonometry, complex numbers and vectors, polar coordinates, and equations.

Prerequisites: A, B, or C in Algebra II Honors or A in Algebra II and teacher recommendation suggested

1210320 AP STATISTICS 1 CREDIT
GRADE LEVEL (11-12)

Advanced Placement Statistics is a college level statistics course that includes, but is not limited to the following topics: data analysis, descriptive statistics, probability models, discrete and random variables, sampling distributions, statistical inference and hypothesis testing, correlation, linear and non-linear regression, and chi-square tests. Students are required to take the Advanced Placement Statistics Exam in the spring and may be awarded college credit for a passing score.

Prerequisites: Algebra II and teacher recommendation suggested

1202310 AP CALCULUS (AB) 1 CREDIT
GRADE LEVEL (11-12)

Advanced Placement Calculus is a college level calculus course. Major concepts include: limits, derivatives and the study of their applications, techniques of integration and the study of its applications. The course may be

paired with a research component. Students are required to take the AP Calculus Exam in the spring and may be awarded college credit for a passing score.

Prerequisites: A, B, or C in Pre-Calculus and teacher recommendation suggested

MUSIC
1301310 MUSIC APPRECIATION 1 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop the knowledge and skills necessary to understand and appreciate how music is used in one's personal life as well as in varied cultures, societies, and historical periods. Major topics include: singing, listening, and playing instruments; music analysis; composition and improvisation; role and influence of music and musicians; and connections between music and other subject areas.

1301320 GUITAR I 1 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop basic skills in guitar performance, including interpretation of notation and performance in varied styles. Course content may include: technical performance and proficiency; notation and tablature; chord structure; performance styles; improvisation, composition, and arranging; performance analysis; instrument care and maintenance; role and influence of guitar music and musicians; and connections between music and other subject areas.

1301330 GUITAR II 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to develop intermediate-level skills in guitar performance, including interpretation of notation and performance in varied styles. Course content may include: intermediate-level technical skills, such as tuning, strumming, and fingering in individual and ensemble performance; interpretation of standard music notation, chord symbols, and tablature through sight reading and performance; major, minor, and seventh chords in five or more keys; accompanying both self and others; repertoire of varied styles, cultures, and historical periods; improvisation; intermediate-level composition and arranging; performance analysis; instrument maintenance and care; understand the role and influence of guitar music and musicians in culture and society; and connections between music and other subject areas.

Prerequisite: Guitar I

1302300 BAND I 1 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop basic technical skills on wind or percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on

the development of skills in interpretation of notation and expressive markings, individual and ensemble performance, and critical listening. Responsible participation in music performance activities is a course expectation.

1302310 BAND II 1 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop intermediate-level technical skills on wind or percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance, and critical listening. Major content areas include: instrumental technique; ensemble techniques; sight reading and ear training; and the role and influence of instrumental music and musicians. Responsible participation in music performance activities is a course expectation.

Prerequisite: Band I

1302320 BAND III 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to develop proficient technical skills on wind or percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance, and critical listening. Course content areas include: instrumental technique; individual and ensemble techniques; musicianship; sight reading and ear training elements and characteristics of music; improvisation, composition, and arranging; performance analysis; connections between music and other subject areas; and instrument care and maintenance. Responsible participation in music performance activities is a course expectation.

Prerequisite: Band II

1302330 BAND IV 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to develop consistently proficient technical skills on wind or percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance, critical listening, and aesthetic response. Course content areas include: advanced instrumental technique; advanced ensemble techniques; proficiency in music literacy; sight reading and ear training; elements and characteristics of music; improvisation, composition, and arranging; performance analysis; and the role and influence of instrumental music and musicians. Responsible participation in music performance activities is a course expectation.

Prerequisite: Band III

1302340 BAND V 1 CREDIT
GRADE LEVEL (11-12)

The purpose of this course is to enable students to develop advanced technical skills on wind or percussion instruments through the refinement and performance of challenging high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance, critical listening, and aesthetic response. Content areas include: advanced instrumental technique and performance. Advanced ensemble techniques; proficiency in music literacy; advanced sight reading and ear training; interpretation of elements and characteristics of music; improvisation, composition, and arranging; a refined level of performance analysis and evaluation; the role and influence of instrumental music and musicians; and interdisciplinary applications of music to other content areas. Responsible participation and leadership in music performance activities is a course expectation.

Prerequisite: Band IV

1302350 BAND VI 1 CREDIT
GRADE LEVEL (11-12)

The purpose of this course is to enable students to develop independent, advanced technical skills on wind or percussion instruments through the refinement and performance of challenging high school band literature. Emphasis will be placed on the development of in-depth skills in interpretation of notation and expressive markings, individual and ensemble performance, critical listening, and aesthetic response. Course content includes: advanced instrumental technique; advanced ensemble technique; proficiency in music literacy; advanced sight reading and ear training; a sophisticated understanding of the elements and characteristics of music; interpretation of elements and characteristics of music; improvisation, composition, and arranging; a refined level of performance analysis and evaluation; the role and influence of instrumental music and musicians; and interdisciplinary applications of music to other content areas. Responsible participation and leadership in music performance activities is a course expectation.

Prerequisite: Band V

1302500 JAZZ ENSEMBLE I 1 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop basic skills in jazz performance through knowledge of styles and performance techniques of varied jazz and contemporary literature. Course content includes: basic technical skills; fundamental individual and ensemble techniques; performance styles; and an introduction to jazz idioms, rhythms, and articulation. Responsible participation in music performance activities is a course expectation.

1302510 JAZZ ENSEMBLE II 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to develop intermediate-level skills in jazz performance through knowledge of styles and performance techniques of varied jazz and contemporary literature. Course content includes: intermediate technical skills; intermediate level individual and ensemble techniques; performance styles; a maturing understanding of jazz idioms, rhythms, and articulation; improvisation; literature and performance analysis; and the history of the medium. Responsible participation in music performance activities is a course expectation.

Prerequisite: Jazz Ensemble I

1302520 JAZZ ENSEMBLE III 1 CREDIT
GRADE LEVEL (11-12)

The purpose of this course is to enable students to develop proficient skills in jazz performance through knowledge of styles and performance techniques of varied jazz and contemporary literature. Course content includes: proficiency in technical skills; proficient application of individual and ensemble techniques; performance styles; incorporation of jazz idioms, rhythms, and articulation into individual performance; composition and arranging; and the history of the medium. Responsible participation in music performance activities is a course expectation.

Prerequisite: Jazz Ensemble II

1302530 JAZZ ENSEMBLE IV 1 CREDIT
GRADE LEVEL (11-12)

The purpose of this course is to enable students to develop advanced skills in jazz performance through knowledge of styles and performance techniques of varied jazz and contemporary literature. Course content includes: advanced technical skills; advanced individual and ensemble techniques; performance styles; advanced interpretation of jazz idioms, rhythms, and articulation in individual performance; advanced improvisation; composition and arranging; literature and performance evaluation; and history and influence of the medium. Responsible participation in music performance activities is a course expectation.

Prerequisite: Jazz Ensemble III

1305300 EURHYTHMICS I 1 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop basic skills in creating, performing, and evaluating choreographed performances as an independent ensemble and in cooperation with the marching band. Emphasis is placed on dance, equipment manipulation, precision, and the relationship between music and dance. Course content includes: dance and choreographic techniques and terminology; music and movement analysis and evaluation; choreographic design; equipment, props, and costumes; and music and movement analysis and evaluation. Responsible

participation in music performance activities is a course expectation.

1305310 EURHYTHMICS II 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to develop intermediate-level skills in creating, performing, and evaluating choreographed performances as an independent ensemble and in cooperation with the marching band. Emphasis is placed on dance, equipment manipulation, precision, and the relationship between music and dance. Course content includes: dance and choreographic techniques and terminology; music and movement analysis and evaluation; choreographic design; equipment, props, and costumes; and music and movement analysis and evaluation. Responsible participation in music performance activities is a course expectation.

Prerequisite: Eurhythmics I

1303400 VOCAL TECHNIQUES I .5 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop basic performance skills in a solo or small ensemble setting using varied high school literature. Emphasis will be placed on healthy and expressive singing, performance techniques, music knowledge, and development of critical analysis and aesthetic response to music. Course content includes: fundamentals of music literacy; basic vocal production technique; and solo and ensemble performance. Responsible participation in music performance activities is a course expectation.

1303410 VOCAL TECHNIQUES II .5 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to develop intermediate-level performance skills in a solo or small ensemble setting using varied high school literature. Emphasis will be placed on healthy and expressive singing, performance techniques, music knowledge, and development of critical analysis and aesthetic response to music. Course content includes intermediate music literacy; intermediate vocal production technique; sight reading and ear training; and solo and ensemble performance techniques. Responsible participation in music performance activities is a course expectation.

Prerequisite: Vocal Techniques I

1303300 CHORUS I 1 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop basic individual and ensemble skills in choral performance through preparation of varied high school literature. Emphasis will be placed on healthy and expressive singing, accurate interpretation of notation,

and development of critical and aesthetic response to music. Course content includes: basic vocal production and choral performance techniques; fundamentals of music literacy; and an introduction to sight reading and ear training. Responsible participation in music performance activities is a course expectation.

1303310 CHORUS II 1 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop intermediate-level individual and ensemble skills in choral performance through preparation of varied high school literature. Emphasis will be placed on healthy and expressive singing, accurate interpretation of notation, and development of critical and aesthetic response to music. Course content includes: intermediate vocal and choral performance techniques; intermediate music literacy; sight reading and ear training; and performance analysis. Responsible participation in music performance activities is a course expectation.

Prerequisite: Chorus I

1303320 CHORUS III 1 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop proficient individual and ensemble skills in choral performance through preparation of varied high school literature. Emphasis will be placed on healthy and expressive singing, accurate interpretation of notation, and development of critical and aesthetic response to music. Course content includes: proficiency in vocal and choral performance techniques; proficiency in music literacy; sight reading and ear training; and connections between music and other subject areas. Responsible participation in music performance activities is a course expectation.

Prerequisite: Chorus II

1303330 CHORUS IV 1 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop consistently proficient individual and ensemble skills in choral performance through preparation of varied high school literature. Emphasis will be placed on healthy and expressive singing, accurate interpretation of notation, and development of critical and aesthetic response to music. Course content includes: proficiency in vocal and choral performance techniques; proficiency in music literacy; proficiency in sight reading and ear training; elements and characteristics of music; performance analysis; performance analysis; and connections between music and other subject areas. Responsible participation in music performance activities is a course expectation.

Prerequisite: Chorus III

1303340 CHORUS V 1 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop advanced individual and ensemble skills in choral performance through preparation of varied high school literature. Emphasis will be placed on healthy and expressive singing, accurate interpretation of notation, and development of critical and aesthetic response to music. Course content includes: advanced vocal and choral performance techniques; advanced skills in music literacy; advanced sight reading and ear training applications; sophisticated performance analysis and evaluation; and a mature understanding of the connections between music and other disciplines. Responsible participation and leadership in music performance activities is a course expectation.

Prerequisite: Chorus IV

1303350 CHORUS VI 1 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop independent, advanced individual and ensemble skills in choral performance through preparation of varied high school literature. Emphasis will be placed on healthy and expressive singing, accurate interpretation of notation, and development of critical and aesthetic response to music. a continuing study of advanced vocal and choral performance techniques; advanced skills in music literacy; advanced sight reading and ear training applications; sophisticated performance analysis and evaluation; and a mature understanding of the connections between music and other disciplines. Responsible participation and leadership in music performance activities is a course expectation.

Prerequisite: Chorus V

HEALTH AND PHYSICAL EDUCATION

1501300 PERSONAL FITNESS .5 CREDIT
GRADE LEVEL (9-12)

Personal Fitness is designed to provide an understanding of the importance of physical fitness, knowledge of health problems associated with inadequate fitness levels, psychological value of physical fitness; and the application of biomechanical and physiological principles associated with physical exercise.

1503310 BASKETBALL .5 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop knowledge and skills in basketball and to maintain or improve health related fitness.

The content includes: safety practices; rules and terminology; history; biomechanical and physiological principles; techniques and strategies; sportsmanship; Officiating; and organization and administration of basketball activities.

1503350 TEAM SPORTS I .5 CREDIT
GRADE LEVEL (9-12)

1503360 TEAM SPORTS II .5 CREDIT
GRADE LEVEL (9-12)

The purpose of this course sequence is to enable students to acquire basic knowledge of team sports play, develop skills in specified team sports, and maintain or improve health-related fitness. The content includes: safety practices; rules and terminology; history; bio-mechanical and physiological principles; techniques and strategies; sportsmanship; and benefits of participation.

1504500 BEGINNING TENNIS .5 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop intermediate-level knowledge and skills in tennis and to maintain or improve health-related fitness. The content includes: tennis rules, terminology, and etiquette; safety practices; a history of tennis; bio-mechanical and physiological principles; skills and techniques; strategies and sportsmanship; tennis officiating; organization and administration of tennis activities; and benefits of participation.

1504270 RECREATION .5 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop knowledge and skills in recreational activities and maintain or improve health-related fitness. Course content includes: rules and terminology associated with various recreational activities; biomechanical and physiological principles associated with recreational sports; sportsmanship; fitness activities; fitness assessment; and organization and administration of recreational activities.

1505500 BEGINNING VOLLEYBALL .5 CREDIT
GRADE LEVEL (9-12)

1505510 INTERMEDIATE VOLLEYBALL .5 CREDIT
GRADE LEVEL (9-12)

The purpose of this course sequence is to enable students to acquire a progressive level of knowledge and skill in volleyball and to maintain or improve health-related fitness. The course content includes: safety practices; rules and terminology associated with volleyball; history of the game; techniques and strategies; sportsmanship; fitness activities; fitness assessment; officiating for volleyball; and organization and administration of volleyball activities.

1503330 SOFTBALL .5 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop knowledge and skills in softball and to maintain or improve health related fitness. Course content may include: rules and terminology for softball; safety practices; game history; biomechanical and physiological principles; techniques and strategies; sportsmanship; fitness activities; assessment of skills and health-related

fitness; officiating for softball; and organization and administration of softball activities.

1502410 INDIVIDUAL & DUAL SPORTS I .5 CREDIT
GRADE LEVEL (9-12)

1502420 INDIVIDUAL & DUAL SPORTS II .5 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to enable students to develop knowledge and skills in specified individual and dual sports and to maintain or improve health-related fitness. The content includes knowledge and application of skills, techniques, strategies, rules, and safety procedures necessary to participate in selected individual and dual sports (may include: badminton, gymnastics, handball, paddleball, racquetball, table tennis and tennis).

HEALTH
0800300 LIFE MANAGEMENT .5 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to develop and enhance critical life management skills necessary to make sound decisions and take positive actions for healthy and effective living. Major course topics include: positive emotional development; communication; interpersonal and coping skills; responsible decision-making and planning; nutrition and weight management; substance use and misuse (including the hazards of smoking); knowledge and skills needed to be a wise consumer; community resources; personal money management; and performance of one-rescuer cardiopulmonary resuscitation (CPR) and first aid for obstructed airway.

0800330 PERSONAL, SOCIAL, & FAMILY RELATIONS
GRADE LEVEL (9-12) .5 CREDIT

The purpose of this course is to enable students to develop knowledge and skills that promote and enhance positive human relationships and healthy living. Major course topics include: human development through adulthood; emotional maturity; mental health and disorders; interpersonal skills and healthy relationships; and roles and responsibilities of family members.

3026010 HEALTH OPPORTUNITIES THROUGH
PHYSICAL EDUCATION (HOPE)
GRADE LEVEL (9-10) 1 CREDIT

The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness. Major topics include: risk and benefits of varying fitness levels; development of an individual wellness plan; responsible decision making; development of an individual nutrition plan; - completion of a behavior change project; analyzing of skills-related fitness; safety and injury prevention – (hydration, injury, violence, environmental issues, CPR); safety education practices; analyzing consumer information and community resources; mental and emotional health, including depression and suicide; stress management and coping skills; interpersonal

communication; disease prevention and control; and tobacco, alcohol, and other drug use and abuse.

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID)

Students must apply for admission to the AVID program. Contact the Guidance Department for additional information.

1700390 AVID I 1 CREDIT
GRADE LEVEL (9)

Advancement Via Individual Determination (AVID) is an elective class providing support for students in the AVID program through curricular and mentoring activities. The content includes: academic instruction and other support for students taking college preparatory and advanced courses at the high school level; strategies for acquiring and retrieving information; strategies for oral and written communication; skills for personal success, including time management and organizational skills; problem-solving skills and strategies; test-taking skills and strategies; and college and career exploration.

1700400 AVID II 1 CREDIT
GRADE LEVEL (10)

Advancement Via Individual Determination (AVID) is an elective class that provides support for students in the AVID program through curricular and mentoring activities. Content areas include: providing academic instruction and other support for students taking college preparatory and advanced courses at the high school level; strategies for acquiring, storing, and retrieving information; strategies for oral and written communication; skills for personal success, including time management and organizational skills; increasing students' coping and academic survival skills; problem-solving skills and strategies; test-taking skills and strategies; strategies for linking new information with prior knowledge; and extensive college and career exploration.

1700410 AVID III 1 CREDIT
GRADE LEVEL (11)

Advancement Via Individual Determination (AVID) is an elective class that provides support for students in the AVID program through curricular and mentoring activities. This course is designed to enable students to develop intermediate skills aligned with current curriculum. Course content includes: academic instruction and other support for students taking college preparatory and advanced courses at the high school level; strategies for acquiring, storing, and retrieving information; intermediate strategies for oral and written communication; skills for personal success, including time management and organizational skills; increasing students' coping and academic survival skills; intermediate to advanced problem-solving skills and strategies; test-taking skills and strategies; strategies for linking new information with prior knowledge; extensive

college and career exploration; and assistance with the college application process.

1700420 AVID IV 1 CREDIT
GRADE LEVEL (12)

Advancement Via Individual Determination (AVID) is an elective class that provides support for students in the AVID program through curricular and mentoring activities. This course is designed to enable students to develop advanced skills aligned with current curriculum. Course content includes: academic instruction and other support for students taking college preparatory and advanced courses at the high school level; strategies for acquiring, storing, and retrieving information; advanced strategies for oral and written communication; skills for personal success, including time management and organizational skills; advanced problem-solving skills and strategies; test-taking skills and strategies; strategies for linking new information with prior knowledge; extensive college and career exploration; and assistance with the college application process.

NAVAL JUNIOR RESERVE OFFICER TRAINING CORPS (NJROTC)

1082300 NAVAL SCIENCE I 1 CREDIT
GRADE LEVEL (9)

The purpose of this course is to introduce students to the missions, goals, and objectives of the NJROTC program with an emphasis on leadership, an appreciation for the heritage and traditions of America, and recognition of the importance of the role of sea power in America's future. Major content areas include: an overview of the naval science curriculum; naval leadership traits and principles; duties, rights, and responsibilities of informed citizens; the basis and role of government in societies throughout the world; the role of military forces in our national defense; the mission and organization of the Navy in maintaining freedom of the seas; and NJROTC regulations and protocol. *(This course is paired with Leadership Education Training I.)*

1801300 LEADERSHIP EDUCATION & TRAINING I 1 CREDIT
GRADE LEVEL (9)

The purpose of this course is to enable students to develop knowledge of the history, customs, traditions, and purpose of the Navy JROTC. The course includes development of basic leadership skills including leadership principles, values, and attributes. Active learning strategies are integrated throughout the course with an emphasis on writing skills and oral communication techniques. Additional topics of study include: financial planning; physical fitness; nutrition; awareness of substance abuse and prevention; basic first aid measures; and geography and basic map reading skills. A study of the *United States Constitution, Bill of Rights*, responsibilities of United States citizens, and the federal justice system is also provided. *(This course is paired with Naval Science I.)*

1082310 NAVAL SCIENCE II 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to cultivate a sound appreciation for the heritage and traditions of America, with recognition that the historically significant role of sea power will be important in America's future. This course will further enable students to develop understanding of maritime geography as it relates to natural resources, landforms, climate, soil, bodies of water, people, governments, the military, and the geopolitical climate of a region. Major course topics include: the influence, heritage, and role of the United States Navy throughout American History; maritime geography; oceanographic study; meteorology; astronomy; and physical science. *(This course is paired with Leadership Education Training II.) Prerequisites: Naval Science I and Leadership Education and Training I*

1801310 LEADERSHIP EDUCATION & TRAINING II 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to expand on skills taught in Leadership Education and Training I. This course provides instruction in leadership theories and skills, as well as introducing basic principles of management. Additional major topics of study include: participation in community service projects; motivation principles; personal leadership assessment and development; military drill formations, movement, commands, and key personnel; brain structure and function; learning styles and information processing; - oral and group communication skills; conflict management; teaching skills; and decision-making and goal-setting strategies. *(This course is paired with Naval Science II.) Prerequisites: Naval Science I and Leadership Education and Training I*

1802320 NAVAL SCIENCE III 1 CREDIT
GRADE LEVEL (10-12)

The purpose of this course is to enable students to further develop understanding of the importance of sea power and national security, naval operations and support functions, military law, international law, and the sea. This course will also enable students to develop understanding of the technical areas of naval science study. Major content areas include: sea power and national security; the United States Merchant Marine; the United States Navy's mission, role, and tactics in preserving national security; naval operations and support functions; naval communications and intelligence; logistics; military law, discipline, and punishment; Navy research and development; naval shipboard organization; fundamentals of international law, international law of the sea, and the law of war at sea; ship construction and damage control; small-boat ship handling; basic seamanship; and marine navigation and time. *(This course is paired with Leadership Education Training III.) Prerequisites: Naval Science II and Leadership Education and Training II*

1801320 LEADERSHIP EDUCATION & TRAINING III
GRADE LEVEL (10-12) 1 CREDIT

The purpose of this course is to enable students to expand on the skills taught in Leadership Education and Training II. This course allows cadets to investigate the interrelationships of the services while they continue to build their leadership development and decision-making skills. Cadets are provided opportunities to handle a variety of leadership situations, including staff development and conflict resolution. Major course topics include: negotiation skills and management principles; leadership theory and application; basic command principles; career portfolio development; college and career planning; financial management; orienteering and navigation; influential Congressional acts; the role of historical events in shaping social systems; the mission and roles of the Navy and its contribution to domestic affairs; and the origins, history, missions, organization, and interrelationships of all branches of the United States Armed Forces. *(This course is paired with Naval Science III.)*

Prerequisites: Naval Science II and Leadership Education and Training II

1802330 NAVAL SCIENCE IV
GRADE LEVEL (12) 1 CREDIT

The purpose of this course is to provide students the opportunity to develop leadership skills, including knowledge of individual needs and group dynamics, leadership principles and responsibilities, and effective communication strategies. Course content includes: the application of leadership traits and principles; human motivation based on needs of the individual; group dynamics; communication and supervision; positive leadership; the support and respect of subordinates; the military chain of command; value of discipline and orders within a group; delivering, receiving, and eliciting criticism; responsibilities of officers; ethical code of the officer corps; effective written and oral communications; and individual, squad, and company close-order drill. *(This course is paired with Leadership Education and Training IV.)*

Prerequisites: Naval Science III and Leadership Education and Training III

1801330 LEADERSHIP EDUCATION TRAINING IV
GRADE LEVEL (12) 1 CREDIT

The purpose of this course is to enable students to expand on the skills taught in Leadership Education and Training III. This course focuses on creating a positive leadership situation, negotiating, decision making, problem solving, team development, project management, and mentoring. Cadets will demonstrate leadership potential in an assigned command or staff position. The course teaches cadets how to use emotional intelligence in leadership situations as well as how to maintain a positive attitude. It provides instruction in etiquette, daily planning, financial planning, and careers. Major areas of focus include: the

practical application of leadership duties; physical fitness through healthy individual and group competition; interactions between groups of people and their impact on the area's cultural, economic, and political characteristics; concepts of democracy and freedom and their influence on local governments; leadership theory and application; team development and mentoring; personal growth, etiquette, and time management strategies; modern history; physical fitness and the Cadet Challenge (Presidential Physical Fitness Program); advanced map skills; environmental issues; the American judicial system; and the roles of citizenship and government. *(This course is paired with Naval Science IV.)*

Prerequisites: Naval Science III and Leadership Education and Training III

SCIENCE

2001310 EARTH SPACE SCIENCE
GRADE LEVEL (9) 1 CREDIT

The primary focus of Earth Space Science is on the formation of the universe and solar system, life cycle of stars, and the earth-moon system. Additional topics include: the U. S. manned space program and space exploration; the formation and identification of rocks and minerals; divisions of the earth; formation of land forms & basic mountain types; fundamental plate tectonics; formation of rivers and water systems; Erosion; wind; glaciers; the hydrologic cycle; oceanography; weather mapping; soil composition; geologic periods and fossils; and renewable/non-renewable energy resources.

2000310 BIOLOGY I
GRADE LEVEL (10-12) 1 CREDIT

The purpose of this course is to acquire an understanding of cell biology and reproduction, basic principles of genetics, and classification and taxonomy. Additional topics include: application of the scientific method, scientific measurement, laboratory safety and use of apparatus; biological changes through time; microbiology; structure and function of plants and animals; structure and function of the human body; and ecological relationships.

2000320 BIOLOGY I HONORS
GRADE LEVEL (9) 1 CREDIT

The purpose of this course is to provide extensive, in-depth exploratory experiences and laboratory and real-life applications in the biological sciences. Laboratory investigations, which include the use of scientific research, measurement, laboratory technologies, and safety procedures, are an integral part of this course. Topics of study include: matter, energy, and chemical processes of life; cellular biology; genetic principles, diversity, and biotechnology; levels of organization, classification, and taxonomy; structure, function, and reproduction of plants, animals, and microorganisms;

behavior of organisms. Interdependence of organisms, humans, and the environment; and biological selection, adaptations, and changes through time.

Prerequisite: Suggested FCAT Reading and Math scores of 3

2003340 CHEMISTRY I 1 CREDIT
GRADE LEVEL (10-12)

The primary focus of this course is a study of the classification and structure of matter. Major topics include: atomic theory; the periodic table of elements; chemical bonding; chemical formulas and balanced equations; chemical reactions; behavior of gases; physical changes of matter; acids, bases and salts; and energy associated with physical and chemical changes.

Prerequisites: Biology I and Algebra I

2003350 CHEMISTRY I HONORS 1 CREDIT
GRADE LEVEL (10)

This is a comprehensive course placing a strong emphasis on theory and the quantitative aspects of chemistry. Laboratory work is an integral component of the curriculum. Major topics include: atomic structure; periodic table; chemical bonding; formulas and equations; mole concept; gas laws; energy and order; reaction rates and equilibrium; solutions; acids, bases, and salts; nuclear chemistry; electrochemistry; and organic chemistry.

Prerequisites: Suggested B or better in Algebra I and B or better in Biology Honors

2003380 PHYSICS 1 CREDIT
GRADE LEVEL (11-12)

The purpose of this course is to provide opportunities to study the concepts, theories, and laws governing the interaction of matter, energy, and forces, and their applications through exploratory investigations and activities. The content includes: energy; force and motion; dynamics; wave characteristics. Conservation of energy and momentum; electricity; magnetism; interactions among science, technology, and society.

Prerequisites: Completion of Chemistry and Geometry

2003390 PHYSICS HONORS 1 CREDIT
GRADE LEVEL (11-12)

Physics Honors provides an in-depth study of the concepts, theories, and laws governing the interaction of matter, energy, and forces, and their applications through exploratory investigations and activities.

Additional topics include: kinematics; dynamics; energy; work and power; heat and thermodynamics; wave characteristic; light; electricity; magnetism; nuclear physics; and sound. This is a math-intensive course.

Prerequisites: Chemistry; Suggested completion of Algebra II.

2000360 ANATOMY AND PHYSIOLOGY 1 CREDIT
GRADE LEVEL (11-12)

This is a challenging course that explores the relationships between structures and functions of the human body. Major topics include: Cellular processes and tissues; the skeletal, muscular, nervous, cardiovascular, respiratory, digestive, urinary and reproductive systems and special senses; laboratory investigations of selected content topics; and laboratory apparatus and safety.

Prerequisite: Biology

2001340 ENVIRONMENTAL SCIENCE 1 CREDIT
GRADE LEVEL (10-12)

This is an integrated science survey course that develops and understanding and knowledge of the ways that humans interact with the natural environment. Course topics include: earth dynamics; the influence of technology on environmental quality; biodiversity; energy production technologies; environmental quality issues; use and conservation practices; environmental planning and waste management; environmental monitoring and policy; sustainable use of public land; characteristics of populations; biotic and abiotic environmental factors; and thermodynamics.

Prerequisite: Biology

2002500 MARINE SCIENCE I 1 CREDIT
GRADE LEVEL (11-12)

This course provides an overview of the marine environment, with an emphasis on its biological aspects. Major topics include: geography of the seas; marine geological features; anatomy, physiology, and behavior of major groups of marine organisms; ecological chains, webs and cycles in the marine community; ways in which man benefits from the marine community; and the chemical and physical properties of ocean waters;

Prerequisites: Biology I and Chemistry I

2002520 MARINE SCIENCE II 1 CREDIT
GRADE LEVEL (11-12)

The purpose of this course is to continue an in-depth study of the marine environment. The content includes: geology of the ocean floor; the structure, functions, and behavior of marine organisms; interrelationships in the marine environment; the chemistry of seawater; climatic changes; energy; waves, tides, and cycles; and the influence of technology on the use and misuse of the ocean by man.

Prerequisites: Marine Science I

2000410 ZOOLOGY 1 CREDIT
GRADE LEVEL (11-12)

The purpose of this course is to enable students to develop in-depth knowledge of the animal kingdom. Major topics include: use of laboratory technologies; cell structure and physiology of animals; inheritance and Mendelian genetics; change and adaptation; taxonomy; invertebrate and vertebrate anatomy and physiology;

influences on animal behavior; reproduction and development; relationships between animals and their ecosystems; relationships between animals and humans; and connections between zoology, technology, society, and the environment.

Prerequisite: Biology I

2000340/30 AP BIOLOGY 2 CREDITS
GRADE LEVEL (11-12)

This is a college level course that provides an in-depth study of cellular biology, biochemistry, and genetics. Additional topics include: ecology; taxonomy; botany; zoology; and human anatomy and physiology. Extensive lab work is required. This is a rigorous course requiring strong analytical skills. Students are required to take the Advanced Placement Biology Exam in the spring and may be awarded college credit for a passing score.

Prerequisites: Honors Biology and Honors Chemistry are suggested; students should be enrolled in or have completed Algebra II.

2004470/60 AP CHEMISTRY 2 CREDITS
GRADE LEVEL (11-12)

The purpose of this college level course is to provide an in-depth study of the development and application of chemistry principles and concepts. Extensive lab work is required. Course topics include: atomic theory and structure; chemical bonding; molecular model theory; nuclear chemistry; states of matter; chemical reactions; equations; chemical equilibrium; reaction rates; thermodynamic processes; systematic nomenclature; and the interactions of chemistry, technology, and society. This is a rigorous course requiring strong analytical and mathematical skills. Students are required to take the Advanced Placement Chemistry Exam in the spring and may be awarded college credit for a passing score.

Prerequisites: Chemistry and Algebra II

2003420/10 AP PHYSICS B 1 CREDIT
GRADE LEVEL (11-12)

The purpose of this college level course is to provide a systematic introduction to the main principles of classical and modern physics and emphasize the development of problem-solving ability through extensive lab work.

Topics of study include: principles of kinematics; Newton's laws of motion; application of conservation laws in classical mechanics; torque, rotational equilibrium, gravitation, planetary motion, and oscillations; kinetic theory; thermodynamics; principles of electrostatics; electric currents; magnetism; waves and optics; concepts of modern physics; and the interactions of physics, technology, and society. This is a rigorous course requiring strong analytical and mathematical skills. Students are required to take the Advanced Placement Physics Exam in the spring and may be awarded college credit for a passing score.

Prerequisites: Physics; recommended completion of Algebra II

2001380 AP ENVIRONMENTAL SCIENCE 1 CREDIT
GRADE LEVEL (11-12)

The purpose of this college level course is to study the interaction of man with the natural environment. Major topics include fundamental principles and concepts about the interdependence of earth's systems; population dynamics; distribution, ownership, and use degradation of renewable and nonrenewable resources; environmental quality; global changes and their consequences; balanced decision making involving the natural environment and society; and choices impacting the future of the natural environment. This is a rigorous course requiring strong analytical skills. Students are required to take the Advanced Placement Environmental Science Exam in the spring and may be awarded college credit for a passing score.

Prerequisites: Biology, Chemistry, and Algebra II

ACADEMY OF COASTAL AND ENVIRONMENTAL STUDIES (ACES)

Students must apply for admission to the ACES Academy. Contact the Guidance Department for additional information.

8913010 INTRO. TO ENVIRONMENTAL TECHNOLOGY 1
GRADE LEVEL (9-10) 1 CREDIT

This course is designed to develop competencies in the areas of hydrology, environmental standards and regulations, site assessment, geologic principles, career opportunities; and scientific and research concepts. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

Prerequisite: Must complete application and be approved for admission to ACES.

8913020 ENVIRONMENTAL TECHNOLOGY 2
GRADE LEVEL (10-11) 1 CREDIT

This course is designed to develop competencies in the areas of water treatment, storm water systems, Geographic Informational and Global Positioning systems, environmental standards and regulations, career opportunities; and scientific and research concepts. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

Prerequisite: Intro. to Environmental Technology 1

8916010 WATER QUALITY RESOURCES 3 1 CREDIT
GRADE LEVEL (11-12)

This course is designed to develop competencies in the areas of hydrology, geology principles, water treatment techniques, storm water systems, water distribution, management of water resources, management of fisheries, drainage systems, career opportunities; and scientific and research concept. Laboratory-based

activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.
Prerequisite: Intro. To Environmental Technology 2

8916929 WATER QUALITY RESOURCES 4 1 CREDIT
GRADE LEVEL (11-12)

This course is designed to develop competencies in the areas of water treatment techniques, storm water systems, water distribution, management of water resources, management of fisheries, career opportunities; and scientific and research concepts. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

Prerequisite: Water Quality Resources 3

SOCIAL STUDIES

2103300 WORLD CULTURAL GEOGRAPHY 1 CREDIT
GRADE LEVEL (9)

World Cultural Geography examines the relationship between physical geography and the economic, political, social, cultural, and historical aspects of human activity. Major topics include: Use of maps and globes; the relationship between cultural diversity and world resources; patterns of population growth and settlement in different cultures and environments; interaction of culture and technology in the use, and the alteration and conservation of the physical environment.

2103400 AP HUMAN GEOGRAPHY 1 CREDIT
GRADE LEVEL (9)

This course is designed to prepare students with an in-depth understanding of the discipline of geography, including its tools, themes, and concepts. Students will learn to interpret a variety of maps and geographic technologies, including geographic information systems (GIS) and satellite-produced imagery. Additional topics explored include: Critical analysis of geographic problems on local, national, and global scales; the diversity of global cultures, including their cultural and economic characteristics; understanding how cultural landscapes are created and how they change over time. This is a rigorous course requiring strong analytical and writing skills. Students are required to take the Advanced Placement Human Geography Exam in the spring and may be awarded college credit for a passing score.

Prerequisites: Suggested FCAT Reading Level 3 or higher

2109310 WORLD HISTORY 1 CREDIT
GRADE LEVEL (10-12)

World History is the study of the origin and development of contrasting civilizations. Major topics include: comparative views of history; an analysis of cultural universals; the role of religion in historical change; varieties of contrasting political theories and

philosophies; the role of science and technology as a social catalyst; nationalism as a cohesive force in history; the diversity of economic thought and practices in the world; an analysis of the influence of the major figures and events concerning the historical development of our present world order

2109420 AP WORLD HISTORY 1 CREDIT
GRADE LEVEL (10)

Advanced Placement World History is a college level course which explores the evolution of global processes and contacts in interaction with different types of human societies. Understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. Focused on the last thousand years of the global experience, the course builds on an understanding of cultural, institutional, and technological precedents that along with geography, set the human stage prior to 1000 c.e. The explicit discussion of subsequent historical periods forms the organizing principle for dealing with change and continuity from that point to the present. Specific themes provide further organization to the course. This is a rigorous course requiring strong analytical and writing skills. Students are required to take the Advanced Placement World History Exam in the spring and may be awarded college credit for a passing score.

Prerequisites: Suggested FCAT Reading Level 3 or higher

2100310 AMERICAN HISTORY 1 CREDIT
GRADE LEVEL (11)

This course is designed to explore an understanding of the effects of geographic and historic relationships as synthesizing forces of American culture through the centuries. Additional topics include: the continuous westward expansion of American settlements; the origin of American ideals; the American colonial experience; the American Revolution and the Declaration of Independence; the formation of the Constitution and the federal system; the interpretive evolution of the Constitution over two centuries; sectional schisms in American life; the Civil War and Reconstruction; the technological and urban transformation of the country; the evolution of American lifestyles and ideals over the Centuries; American foreign policy development; the cyclical development of the American economy; and contemporary and domestic and foreign issues.

2100330 AP UNITED STATES HISTORY 1 CREDIT
GRADE LEVEL (11)

AP United States History is a college level course designed to develop the analytical skills and factual knowledge necessary to critically interpret seminal issues in United States history. Students learn the tools of historical analysis through assessment of source materials, including their relevance to a given

interpretive problem, their reliability, and their significance. Students also learn to weigh evidence and interpretations presented in historical scholarship. AP U.S. History strikes a balance between teaching factual knowledge and developing the skills of critical analysis necessary for academic discourse. This is a rigorous course requiring strong critical reasoning and writing skills. Students are required to take the Advanced Placement United States History Exam in the spring and may be awarded college credit for a passing score.
Prerequisites: Suggested FCAT Reading Level 3 or higher

2102310 ECONOMICS .5 CREDIT
 GRADE LEVEL (12)

This course explores the use of economic reasoning and principles to reach decisions in the market place. Major topics include: the role and impact of economic wants; productive resource; scarcity and choices; opportunity costs and trade-offs; economic incentives; specialization; absolute and comparative advantage; division of labor; interdependence; market function; savings and investment; the role of the citizen as producer, consumer and decision-maker; credit and consumerism; the role and function of government policy; the roles of money, financial institutions and labor; distinctions between micro and macroeconomic problems; and the similarities and differences of other economic systems. *(Semester course paired with American Government)*

2102360 AP MICROECONOMICS .5 CREDIT
 GRADE LEVEL (12)

Advanced Placement Microeconomics is a college level course providing a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. Major topics include: analysis of the circular flow of resources, goods, services and money in markets; product and factor markets; supply and demand; evaluation and analysis of market structures; functional and personal distribution of income; market failure and public policy response; the impact of the role of government in the American economy from historical and contemporary perspectives; international trade; application of the basic methodology associated with the study of microeconomics. This is a rigorous course requiring strong analytical, graphing, and writing skills. Students are required to take the Advanced Placement Microeconomics Exam in the spring and may be awarded college credit for a passing score. *(Paired with American Government)*
Prerequisite: American History; A or B in Algebra II strongly recommended

2102370 AP MACROECONOMICS .5 CREDIT
 GRADE LEVEL (12)

Advanced Placement Macroeconomics is a college level course that provides a foundation in the fundamental concepts of the American mixed economic system. Major

topics include: Analysis of the various aspects of the gross national product and its value as an economic barometer; an examination of aggregate supply in relation to productive capacity and consumption; the components of aggregate demand; issues related to unemployment; inflation and deflation; the role of the Federal Reserve System; the roles of the President and Congress in establishing the nation's fiscal policy; international trade; application of the basic methodology associated with the study of macroeconomics. This is a rigorous course requiring strong analytical, graphing, and writing skills. Students are required to take the Advanced Placement Macroeconomics Exam in the spring and may be awarded college credit for a passing score. *(Paired with AP United States Government and Politics)*
Prerequisite: American History; A or B in Algebra II strongly recommended

2106310 AMERICAN GOVERNMENT .5 CREDIT
 GRADE LEVEL (12)

The primary focus of this course is the analysis of the documents which shape American political traditions (the *Declaration of Independence*, the *Constitution*, and *The Bill of Rights*). The course will also explore: comparison of the three branches of government at the local, state & national levels; understanding of the evolving role of political parties & interest groups in determining government policy; the evolution & interpretation of the rights & responsibilities of citizens in a democratic state; the importance of civic participation in the democratic political process; and a discussion of Florida politics, governmental structure, & Constitution. *(Semester course paired with economics)*

2106420 AP U.S. GOVERNMENT & POLITICS .5 CREDIT
 GRADE LEVEL (12)

AP U.S. Government and Politics is a college level course that involves both the studies of general concepts used to interpret American politics and the analysis of specific case studies. It requires familiarity with the various institutions, groups, beliefs and ideas that make up the American political reality. The major areas of study are: constitutional underpinnings of American government; political beliefs and behaviors; political parties and interest groups; institutions and policy process of national government; civil rights and civil liberties. This is a rigorous course requiring strong analytical and writing skills. Students are required to take the Advanced Placement U.S. Government and Politics Exam in the spring and may be awarded college credit for a passing score. *(Paired with Economics or AP Macroeconomics)*
Prerequisite: American History; completion of AP United States History is strongly recommended

2107350 AP PSYCHOLOGY 1 CREDIT
GRADE LEVEL (11-12)

Through the study of psychology, students acquire an understanding of human behavior, behavior; how we think, act, and feel. Major topics include: history, theoretical approaches, and research methods; the history of psychology as a science; the relationship between biology and behavior; different states of consciousness; differences between learned and unlearned behavior; the storage, recovery and use of sensory input; the forces that influence the strength and direction of behavior; the physical, cognitive, social, and moral dimensions of development; major theories of personality; definition, categories and diagnosis of abnormal personalities; therapeutic approaches to the treatment of mental disorders; impact of social factors on behavior. This is a rigorous course requiring strong reading, analytical and writing skills. Students are required to take the Advanced Placement Psychology Exam in the spring and may be awarded college credit for a passing score.

2100340 AFRICAN AMERICAN STUDIES .5 CREDIT
GRADE LEVEL (11-12)

The purpose of this course is to acquire an understanding of the development of African American heritage within the context of a broad historical focus. The content includes: the role of historical influences in shaping the contemporary and future African American experience; the impact of African American ideas, events, and leaders in a variety of disciplines on the development of values, traditions, and social, economic, and political institutions in the United States; an understanding of current and historic events in relation to the African American perspective; the significance of African American contributions to American culture; and an understanding of the processes used to create and interpret history.

2104600 MULTI-CULTURAL STUDIES .5 CREDIT
GRADE LEVEL (11-12)

This course provides students with the opportunity to acquire an understanding of multicultural studies. Topics include, but are not limited to: the influence of geography on the social and economic development of Native American culture, the influence of major historical events on the development of a multicultural American society; a study of the political, economic and social aspects of Native American, Hispanic American, African American, and Asian American culture; an understanding of the importance of historical influence in shaping contemporary culture; the impact of immigration on the development of American society; an understanding of historical and current events from the perspective of various cultural groups.

2108300 SOCIOLOGY .5 CREDIT
GRADE LEVEL (11-12)

Through the study of sociology, students acquire an understanding of group interaction and its impact on individuals. Major topics include: social institutions and norms; gender based relationships; social classes and stratification; ethnic, cultural, and racial identity; societal determinants and group behavior; methods of study used by sociologists; social participation, deviation, and conflict; the role of social organizations and institutions, including their interrelationships and interdependence; and the socialization process, including the transmission of group behavior.

2107300 PSYCHOLOGY .5 CREDIT
GRADE LEVEL (11-12)

Through the study of psychology, students acquire an understanding of and an appreciation for human behavior, behavioral interaction, and the progressive development of individuals. Topics include: major theories and orientations of psychology; methodology; memory and cognition; mental health; human growth and development; personality; abnormal behavior; psychological therapies; and stress/coping strategies.

BUSINESS

8209020 COMPUTING FOR COLLEGE AND CAREERS 1 CREDIT
GRADE LEVEL (9-12)

This course is designed to provide a basic overview of current business information systems and trends and to introduce students to the basic computer skills required to meet entry level industry standards. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications, including databases, spreadsheets, and presentation software.

ACADEMY OF HOSPITALITY AND TOURISM

Students must apply for admission to the Academy of Hospitality and Tourism.. Contact the Guidance Department for additional information.

8850110 INTRO. TO HOSPITALITY 1 CREDIT
AND TOURISM GRADE LEVEL (10-12)

The purpose of this course is to introduce students to the skills necessary for success in the hospitality and tourism industry. Students will also have the opportunity to learn hospitality and tourism terminology and the mathematical, economic, marketing, and sales fundamentals of the industry.

Prerequisite: Computing for College and Careers

8845140 COMPUTER TECHNOLOGY FOR TRAVEL AND TOURISM 1 CREDIT GL (10-12)

This course is designed to provide an introduction to computers and to develop entry-level skills for computer-related careers in the travel and tourism industry.

Prerequisites: Computing for College and Careers and Introduction to Hospitality and Tourism

8845120 TRAVEL AND TOURISM MARKETING MANAGEMENT 1 CREDIT GL(10-12)

The purpose of this course is to provide students necessary career-specific instruction in travel and tourism. Students will learn sales techniques, marketing principles, and entrepreneurial skills necessary to succeed in the travel and tourism industry.

Prerequisite: Computing for College and Careers

8800410 HOSPITALITY AND TOURISM INTERNSHIP/MARKETING ON THE JOB TRAINING 1 CREDIT GL (11-12)

The hospitality and tourism internship provides the opportunity to demonstrate communication and employability skills necessary for entry-level employment in the travel and tourism industry. Additionally, it will enhance the instruction and competencies developed through classroom instruction.

Prerequisite: Computing for College and Careers and completion of the Academy major course sequence.

INTERNATIONAL BUSINESS ACADEMY

Students must apply for admission to the International Business Academy. Contact the Guidance Department for additional information.

8203310 ACCOUNTING APPLICATIONS I 1 CREDIT GRADE LEVEL (10-12)

This course emphasizes double-entry accounting, methods and principles of recording business transactions, the preparation of various documents used in recording income, expenses, acquisitions of assets, incurrence of liabilities, and changes in equity, and the preparation of financial statements.

Prerequisite: Computing for College and Careers

8203320 ACCOUNTING APPLICATIONS II 1 CREDIT GRADE LEVEL (10 – 12)

This course is designed to continue the study of accounting principles. The content includes voucher systems, cash receipts, petty cash, payroll records, and internal control systems.

Prerequisites: Computing for College and Careers, Accounting Applications I

8216110 INTERNATIONAL BUSINESS SYSTEMS 1 CREDIT GRADE LEVEL (10-12)

This course is designed to prepare students to live and work in a global economy. Students develop an understanding of business principles, management

styles, economics, and customs which affect business systems in the international environment.

Prerequisite: Computers for College and Careers, Accounting Applications I

8216120 INTERNATIONAL FINANCE AND LAW 1 CREDIT GRADE LEVEL (10-12)

This course is designed to introduce students to the laws and regulations governing international trade, including knowledge of import-export activities, banking, treaties, and currency exchange rates.

Prerequisite: Computers for College and Careers, Accounting Applications I, International Business Systems

8200410 BUSINESS INTERNSHIP ON THE JOB TRAINING 1 CREDIT GL (11-12)

This course is designed to provide students with the opportunity to stimulate their career interest in business. Students will also enhance and apply the instructional competencies learned in the classroom with the internship experience. Students will be able to develop human relations, communication, and employability skills needed to secure a position in a business environment.

Prerequisite: Completion of the International Business Academy major course sequence.

ACADEMY OF CULINARY ARTS

Students must apply for admission to the Academy of Culinary Arts. Contact the Guidance Department for additional information.

8515210 CULINARY OPERATIONS I 1 CREDIT GRADE LEVEL (9–10)

This course was developed as part of a three-credit core. Students will develop competence in understanding the history of the food service industry and identifying careers in that industry; following directions and applying math skills; using communication skills; demonstration of basic food handling techniques; basic safety procedures; demonstration of basic employability skills (punctuality, appearance, etiquette); identification of the elements of a successful food service operation; identification and use of commercial tools and equipment; basic concepts of food science; following standard recipes; basic nutrition information (nutrients, labels); identification of front and back-of-the-house duties; and participation in introductory food preparation labs.

8515220 CULINARY OPERATIONS II 1 CREDIT GRADE LEVEL (9-10)

This course was developed as part of a three-credit core. Students will develop competence in understanding duties and responsibilities in the hospitality industry and ways to achieve job advancement; understanding technical materials; working in a culturally diverse workplace; critical thinking and problem solving; knowledge of federal,

state and local sanitation/safety codes; time management; inventory control; advanced principles of food science (fermentation, leavening agents, emulsion, acids/bases, starches); following and modifying recipes; using nutrition skills to evaluate menus; performing front-of-the-house duties (greeting and escorting guests, transporting and serving meals, carrying trays); performing back-of-the-house duties (receiving and storing food supplies); and participation in food preparation labs appropriate for this skill level.

Prerequisite: Culinary Operations I

8515230 CULINARY OPERATIONS III 1 CREDIT
GRADE LEVEL (10-12)

This course was developed as part of a three-credit core. Students will develop competence in entrepreneurship; career trends in the food service industry; professional associations in the industry; computer literacy; leadership; community service; practicing profitable procedures; obtaining the SafeStaff® food handler certification; practicing environmentally sound procedures; additional principles of food science (function of sugar, types of cooking methods, the chemistry of protein, categories and functions of lipids); following and modifying recipes; restaurant industry trends; merchandising techniques; participation in food preparation labs appropriate for this skill level; and food presentation and display techniques.

Prerequisite: Culinary Operations II

8515110 CULINARY OPERATIONS IV 1 CREDIT
GRADE LEVEL (10 – 12)

This course was developed for students to develop competence in career advancement opportunities; food identification, selection and purchasing; advanced cooking and baking skills; communication skills; math skills; scientific principles of cooking and baking and quality standards of food preparation and presentation.

Prerequisite: Culinary Operations III

8515111 CULINARY OPERATIONS V 1 CREDIT
GRADE LEVEL (11 – 12)

This course was developed for students to develop competence in advanced opportunities in professional cooking; identification, selection and purchasing food; advanced cooking skills; math skills; scientific principles of cooking and baking; management techniques; and food presentation.

Prerequisite: Culinary Operations IV

8515112 CULINARY OPERATIONS VI 1 CREDIT
GRADE LEVEL (11 – 12)

This course was developed for students to develop competence in advanced opportunities in professional cooking; identification, selection and purchasing food; advanced cooking skills; math skills; scientific principles of cooking and baking; management techniques; and food presentation.

Prerequisite: Culinary Operations V

8515113 CULINARY OPERATIONS VII 1 CREDIT
GRADE LEVEL (12)

This course was developed for students to develop competence in management skills; food service and hospitality laws and regulations; business plans; menus; cost control techniques; guidelines and policies; physical plant layouts; marketing strategies; and career opportunities. Major course topics include: management of personnel; laws and regulations specific to the food industry; developing a business plan; developing menus; applying principles of cost control to maintain an efficient operation; maintenance and care of the physical plant. creating marketing strategies for restaurant promotion; and career opportunities in the food industry.

Prerequisite: Culinary Operations VI

8815114 CULINARY OPERATIONS VIII 1 CREDIT
GRADE LEVEL (12)

This course was developed for students to incorporate advanced nutritional education and menu planning and food preparation using their culinary skills. Students learn to prepare menus for special and restricted diets. Students also acquire the skills to create and develop menus for specialized food establishments.

Prerequisite: Culinary Operations VII

FAMILY AND CONSUMER SCIENCES

8500300 PARENTING SKILLS .5 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to prepare students for the multiple roles essential to becoming a model parent and to understand the dual roles of males and females as parents and wage earners. This course will also enhance their abilities to assist children to become effective citizens in a multicultural and technological society. The content includes, but is not limited to: parenting roles and responsibilities; nurturing and protective environments for children; positive parenting strategies; effective communication in parent/child relationships; multicultural diversity and trends in technology.

8500310 CHILD DEVELOPMENT .5 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to prepare students to understand the nature of child development from pre-natal growth to school age. This course emphasizes positive development and nurturing of the family at each stage of a child's maturation. Instruction and learning activities are provided in a laboratory setting. Activities may provide the application of current technology in the development of age appropriate materials, observation, and simulated projects.

8500345 FAMILY DYNAMICS .5 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to prepare students for the roles, responsibilities and relationships essential to functional families and to understand the nature, function, and significance of human relationships within family and individual units. The content includes, but is not limited to: recognizing the role and importance of the family; formulating skills in preparation for successful adult and family life; studying the family life cycle; developing skills to build and maintain healthy family relationships; addressing current issues that create stress and conflict within the family unit; recognizing the importance of balancing work and family; and evaluating the impact of technological and social forces on the family - past, present and future.

8500355 NUTRITION AND WELLNESS .5 CREDIT
GRADE LEVEL (9-12)

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

8500365 FAMILY, HOME, AND CONSUMER TECHNOLOGY
GRADE LEVEL (9-12) 1 CREDIT

The emphasis of study in Family, Home, and Consumer Technology is placed on the latest technology as it relates to the home and the global role of the family. Leadership and organizational skills are a vital part of this program. Major topics include: future trends in food and consumer technology; global food issues; impact of food technology; trends in consumer and personal finance; consumer decisions; cost of technology equipment; careers; and the impact of consumer technology on the family unit; equipment technology; apparel and housing alternatives; and environmental and ecological issues.

8500380 FABRIC CONSTRUCTION .5 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to prepare students to identify the characteristics of fibers, fabrics and textiles; to interpret consumer protection laws related to clothing, textiles, and home décor items; and to construct garments and/or home décor items. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with tools and materials appropriate to the course content. Activities provide instruction in using sewing tools and equipment, measuring tools, hand sewing equipment, marking devices and pressing equipment.

8500390 PRINCIPLES OF FOOD PREPARATION
GRADE LEVEL (9-12) .5 CREDIT

The purpose of this course is to prepare students to understand the principles of food preparation, selection and storage, and selection of food services. Activities provide instruction in the application of the principles of food preparation, food selection and storage, choice of appropriate food services for various occasions, and the use of small and large appliances, kitchen tools and equipment.

8500395 FOOD SCIENCE TECHNOLOGY 1 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to provide a science-based foods and nutrition curriculum. The content includes food microbiology labs; microorganisms and methods of food preservation; experiments and observations of physical and chemical changes in foods; structures and functions of nutrients; awareness of human physiology, food chemistry; food spoilage; mold growth analysis; changes in evaporation, condensation, boiling and freezing experimental modification; toxicology; and the role of acids and bases in food production.

8500120 PERSONAL AND FAMILY FINANCE .5 CREDIT
GRADE LEVEL (9-12)

The purpose of this course is to give students an overview of personal and family finance concepts including the American economic system, personal and family management of resources including income, money management, saving and investing, spending and credit, the role of financial institutions and the consumer, consumer information and taxation and financial planning. This content includes, but is not limited to, consumer rights and responsibilities, record-keeping, decision making and consumer choices, resource management, credit, taxation, wills, savings plans, investments, money management resources, insurance and contracts. Activities provide instruction in the use of personal computers and software as well as financial experts from various fields.