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FLORENCE CITY SCHOOLS

Registration Guide

This Guide, containing course offerings for 2006-2007, has been prepared to help students and their parents become better informed regarding high school subjects offered so that, with the aid of the Guidance Department, they may plan their education and careers suited to their individual needs and goals.

The Guide includes curricular offerings from the ninth through the twelfth grades. It also states the requirements for graduation as adopted by the State Board of Education in Alabama.

As an aid to successful planning, a worksheet is on the last page. This sheet should be used to plan the student's tentative four-year high school program. It is advisable for students and parents to review this plan from time to time with counselors to see that the schedule is being followed and that it continues to be appropriate for their goals. Changes may be made when student interests and needs make it necessary.

All students must register for a full schedule to include a minimum of five credit courses per semester. (One or more of the five courses might be on a campus other than the base school.) **Exceptions** to the five-credit requirement are fifth-year seniors and students whose IEP reflects otherwise.

ADVANCED PLACEMENT

To help students become accustomed to the more intensive Advanced Placement curriculum in English, American history and Biology, the Florence City School District has developed these courses: Advanced Placement Preparatory English (grades 9 and 10), Advanced Placement Preparatory American History (grade 10) and Advanced Placement Preparatory Biology (grade 9). Placement in these courses is based on a student's grades in previous English, social studies, and science courses; on standardized test scores; and on recommendation(s) from teacher(s).

Florence City Schools offer a variety of courses in an **Advanced Placement (AP)** program:

Biology	Economics
Calculus	French
American History	Spanish
Chemistry	Latin
Computer Science	Statistics
English (grades 11 & 12)	Am. Govt.

Placement in these courses is based on a review of a student's cumulative courses, grades earned in specific areas, standardized test scores, and on teacher/principal approval. Grades earned in these courses are weighted for class ranking purposes only. The weighted grade becomes part of the class ranking process at the time the grade is earned. Class rankings are determined within 30 calendar days following the last day of a given semester.

Enrollment in these AP courses prepares the student to take the national AP Examination at the end of the school year. A grade of **3** or better on the examination

(each examination is evaluated on a scale of 1 to 5) makes the student eligible to receive college credit. (The amount of credit varies among colleges.) See your counselor for further details.

ARTICULATION/CAREER-TECHNICAL EDUCATION

Career-Technical has articulation agreements with colleges that allow students to receive college credit for many Career Technical courses completed in high school. This credit is awarded through a statewide agreement between postsecondary and secondary educational institutions. The credit is course specific and is placed on the student's official college transcript. For additional information, contact your Career-Technical Coordinator of Student Services.

CORE COURSES FOR EXTRA-CURRICULAR ELIGIBILITY

All students in extra-curricular activities must enroll in a certain number of designated "core" courses. To find out more about these, see your athletic director or activity sponsor.

- * Substitutions for Physical Education (which must be done on a year-to-year basis) include enrollment in either of these classes along with permission from parents and school officials:
 - A. career/technical classes
 - B. marching band
 - C. Junior ROTC
 - D. interscholastic athletic team(s)
 - E. an additional course in the following:
 - 1. mathematics
 - 2. science
 - 3. social studies
 - 4. fine arts

** Must be two units in the same Foreign Language.

*** May be waived if competencies outlined in the statewide computer checklist are demonstrated to qualified staff in the school. Enrollment in a full year of Business Technology Essentials or a one-semester course in Computer Applications will also satisfy the requirement.

- NOTES:**
1. All students must pass the Alabama High School Graduation Examination.
 2. No student may earn more than ten (10) units in one 12-month period.
 3. All students must complete a diploma designation form and, if they change from one diploma to another, a diploma change form.
 4. No student may enroll in more than one study hall per year.

CAREER-TECHNICAL ENDORSEMENT

Students may receive a Career-Technical Endorsement on their diploma in either of these three ways:

- (1) Complete three high school courses in a single Career-Technical field.
- (2) Complete two courses in one Career-Technical field and one course in a related Career-Technical field (e.g., two courses in Construction Technology and one course in Drafting).
- (3) Complete two courses in Career-Technical Education and one course from the list of state-approved related other courses. (See page 3 for the approved list.)

FINE ARTS

All students must earn one-half (1/2) unit of credit in Fine Arts to receive a diploma. These courses qualify as Fine Arts:

Art Appreciation	Interior Design
Art I, II, III, IV	Strings
Commercial Art	Music Appreciation
Drama I, II, III, IV	Music Theory
Graphic Arts Technology	Musical Theatre
Humanities	Speech
Instrumental Music (Band) I, II, III, IV	Vocal Music(Chorus),
Instrumental Techniques	I, II, III, IV

TEACHERS' ASSISTANTS

Students may enroll as assistants to teachers in certain laboratory courses. Students who are considering such courses are reminded of these regulations:

- A. An assistant must be in grade 10, 11 or 12.
- B. A student may be an assistant in only one department in a given year.
- C. A student must have teacher/principal approval to become an assistant.
- D. There may be no more than two assistants per teacher per class period.
- E. No credit is earned.

These are the courses. (See the description for each within the various departmental sections of this Guide.)

- | | |
|-----------------------------|-----------------------------------|
| 1. Art | 10. Construction Technology |
| 2. Automotive Technology | 11. Music – Choral |
| 3. Computer Science | 12. Music – Instrumental |
| 4. Drafting | 13. Office Assistant – Attendance |
| 5. Drama | 14. Office Assistant – Guidance |
| 6. Driver Education | 15. Office Assistant – Principal |
| 7. Electronics Technology | 16. Physical Education |
| 8. Family/Consumer Sciences | 17. Science |
| 9. Health Science | 18. Yearbook |
| | 19. Literary Publication |

CORRESPONDENCE COURSES

A student may earn a maximum of one unit per year by correspondence. No schedule will reflect this course as part of the school day. A student who takes the required Health course by correspondence must complete CPR certification also. For further details, see your counselor.

DUAL ENROLLMENT

Students in grades 10, 11 and 12 who have at least a “B” average are eligible to enroll in college courses and receive both high school and college credit for them. Note these regulations:

1. **With prior approval from the high school, the Superintendent of Education and the local college/university, a student may take a wide variety of college courses for elective credit. Courses in physical education at the college/university may NOT be taken for credit by a high school student.**
2. **Courses at UNA may substitute for certain required high school courses according to the following schedule:**

UNA Course	NW-SCC Course	High School Course
Biology 111 and 112	Biology 103 and 104	Biology (CB) or Biology (AP)
Chemistry 111and 111L; 112 and 112L	Chemistry 111 and 112	Chemistry (CB) or Chemistry (AP)
U.S. History 201 and 202	History 201 and 202	American History (CB) or American History (AP)
Political Science 241	Political Science 211	American Government (CB) ½ credit or American Government (AP) ½ credit
Mathematics 125 (Calculus I)	Mathematics 125	Calculus (AP) ½ credit
Mathematics 126 (Calculus II)	Mathematics 126	Calculus (AP) ½ credit
Mathematics 147	Mathematics 265	Statistics (AP) ½ credit
Physics 101 and 121or Physics 241 and 242 (Trig-based)	Physics 201 and 202 (Trig-based)	Physics (CB)
Physics 251 and 252 (Calculus-based)	Physics 213 and 214 (Calculus-based)	Physics (CB)
Earth Science 121	Physical Science 111	Earth Science (CB) ½ credit
Economics 252	Economics 232	Economics (CB) ½ credit or Economics (AP) ½ credit
Computer Science 155 and 255	Computer Science 191 and 211	Programming (AP)

NOTE: DEADLINES FOR COMPLETING THE APPLICATION FOR DUAL ENROLLMENT ARE: AUGUST 1 (FOR THE FALL TERM), DECEMBER 1 (FOR THE SPRING TERM) AND MAY 1 (FOR THE SUMMER TERM).

SCHEDULE CHANGES

1. Each student in grades 7-12 shall be provided a schedule of classes which, in the best judgment of school officials, the student and the student's parent/guardian, reflects the appropriate choice of courses for that student. Such schedules may be changed in the following ways:
 - a. Student Request:
A schedule may be changed from one course to another through the end of the second week of a given semester if the school's master schedule will accommodate the request. Foreign exchange students may initiate such a schedule change through the end of the fifth week of the semester with permission of both the sending and receiving teachers. No course may be dropped after the fifth week. After the fifth week, all grades become part of the student's permanent record.
 - b. Teacher Request:
A teacher may request for a student to move to another level class (e.g., from College-bound English to General English or from Algebra I (CB) to Algebra I A) through the end of the fifth week of a semester.
2. The school reserves the right to change a student's schedule.

PROMOTION INFORMATION

- (1) For a student to sit in a tenth grade homeroom, he/she must have earned at least three (3) credits.
- (2) For a student to sit in an eleventh grade homeroom, he/she must have earned at least ten (10) credits.
- (3) For a student to sit in a twelfth grade homeroom, he/she must have earned at least seventeen (17) credits.

NOTE: A student who falls behind the class with whom he/she began the ninth grade shall move to a homeroom in the next grade at mid-year if he/she earned sufficient units the first semester of the school year.

SUMMER READING TITLES

Florence City Schools maintain a list of outside reading assignments for all students in grades 9-12. Certain titles are read during the school year while others are to be read during the summer. Following is the summer list.

- (1) Students entering grade 9:
General Classes: Izzy, Willy-Nilly by Cynthia Voigt
College-Bound Classes: The Hobbit by J. R. R. Tolkein
AP Prep Classes: Jane Eyre by Charlotte Bronte

- (2) Students entering grade 10:
General Classes: Tiger Eyes by Judy Blume
College-Bound Classes: Dacey's Song by Cynthia Voight
AP Prep Classes: Wuthering Heights by Emily Bronte
- (3) Students entering grade 11:
General Classes: The Hound of the Baskervilles by Sir Arthur Conan Doyle
College-Bound Classes: The Hound of the Baskervilles by Sir Arthur Conan Doyle
- (4) Students entering grade 12:
General Classes: Running Loose by Chris Crutcher
College-Bound Classes: Their Eyes Were Watching God by Zora Neal Hurston
- AP Classes: Teacher will notify.

NOTE: Within fifteen (15) days of the opening of the new school year, teachers will require student responses on the summer reading assignment.

LEGEND

Symbols used on the following pages indicate these designations:

- G** = General classes
CB = College-bound classes
AP = Advanced Placement classes
LS = Life Science
PS = Physical Science

ART

36401

ART I-Semester 1

½ Unit

FEE: \$12.50

Pre-requisites: None

(Grades 9-12)

This course consists of drawing, theory of form, color, composition and perspective. The student works with pencil, pen, charcoal, pastels and watercolors. Selected periods of art history are studied. (500703)

36401

ART I-Semester 2

½ Unit

FEE: \$12.50

Pre-requisites: Art I-Semester 1

(Grades 9-12)

The student learns sculpture, poster making, advertising design and simple print making. Techniques of ceramics are shown. Selected periods of art history are studied. Students work with pen and ink, mixed media, tempera and acrylic paints. (500703)

36501

ART II-Semester 1

½ Unit

FEE: \$12.50

Pre-requisites: Art I

(Grades 10-12)

The student works in a variety of painting techniques. The tools of painting, design, use of value and color are demonstrated. This semester course deals with drawing, painting and study of the history of art. (500703)

36501

ART II-Semester 2

½ Unit

FEE: \$12.50

Pre-requisites: Art II-Semester 1

(Grades 10-12)

Three-dimensional work such as sculpture and ceramics constitutes approximately one half of the semester. Various periods of art history are studied. (500703)

36601

ART III-Semester 1

½ Unit

FEE: \$12.50

Pre-requisites: Art II

(Grades 11-12)

The student develops his individual style in painting, mixed media and other drawing media. Advanced techniques are explored, and each student designs, develops and creates original artworks. The media of acrylic, watercolor and pastel are used. The student prepares a portfolio which includes graphic art, painting, calligraphy and advertising art. Instruction in Computer Animation is included. (500703)

36601

ART III-Semester 2

½ Unit

FEE: \$12.50

Pre-requisites: Art III-Semester 1 (Grades 11-12)
Advanced techniques in clay are explored with both free form and ceramics. Other three-dimensional forms include mobiles, sculptures from found materials and various casting methods. Research is done on specific artists, both past and contemporary. Instruction in Computer Animation is included. (500703)

36701

ART IV-Semester 1

½ Unit

FEE: \$12.50

Pre-requisites: Art III (Grade 12)
The student continues to develop his own style in painting, mixed media and other drawing media. Emphasis is given to the development of a portfolio. Instruction in Computer Animation is included. (500703)

36701

ART IV-Semester 2

½ Unit

FEE: \$12.50

Pre-requisites: Art IV-Semester 1 (Grade 12)
The student will begin an independent study. He will work on individual projects agreed upon by the student and the teacher. The student will spend time in the area(s) of art in which he is most proficient. His work will be enhanced by studying artists who work in the same media. Instruction in Computer Animation is included. (500703)

36509

ART LAB ASSISTANT

No Credit

FEE: NONE

Pre-requisites: Art I; Approval by Instructor (Grades 10-12)
A small group of specially selected students will aid the art department in gathering materials, setting up laboratories, filing and inventorying supplies, and mounting exhibits. (990150)

36403

ART APPRECIATION

½ Unit

FEE: NONE

Pre-requisites: None (Grades 9-12)
From ancient cave art to contemporary art installations, this one-semester course is designed to help the student recognize and enjoy art in every format. It is a stand-alone course that fulfills the Fine Art requirement. (500724)

AGRISCIENCE EDUCATION

Although Agriscience has several areas of study, AgriConstruction is one of the most popular courses in the curriculum. This course is project-based and encourages critical thinking, use of the scientific method, integration of technology, and the development of student leadership skills.

Students in Grade 7 and 8 are provided an introduction to all major areas of Agriscience in an exploratory course, consisting of one semester, called Pre-Agriscience. Students gain knowledge and develop skills through instruction and laboratory experiences in the areas of environmental science, animal and plant science, drafting, woodworking, communications and Agriscience careers. The course focuses on woodworking skills and the application of procedures for constructing projects.

Students in grade 9 are taught a one-credit course designed to facilitate understanding construction as it relates to agriculture. In addition, students are provided opportunities to develop skills in the areas of planning, safety, and construction. Various career opportunities are explored. Students participate in hands-on projects that involve planning structures, as well as safety, masonry, framing, roofing, and exterior and interior finishes.

All students enrolled in Pre-Agriscience and AgriConstruction may participate in FFA, the national organization for students that expands opportunities in leadership and skill development. Participation provides opportunities for students to learn teamwork, to participate in community service projects, and career development events, and to develop individual potential.

47403

AgriConstruction/Construction Trades-Semester 1

½ Unit FEE: \$10.00

Pre-requisite: None

(Grade 9)

This course provides many opportunities for students to become familiar with different types of construction. Students learn how to plan and build structures, estimate materials, and identify tools used in specific skills in construction. Career opportunities are explored as students learn to recognize Agri-Construction professionals such as engineers, carpenters, draftsman, plumbers, electricians, and concrete finishers. Safety is taught and practiced during this project-based course. (010531)

47403

AgriConstruction/Construction Trades-Semester 2

½ Unit FEE: \$10.00

Pre-requisite: AgriConstruction/Construction Trades-Semester 1

(Grade 9)

Continuing AgriConstruction/Construction Trades Semester 1, students are instructed in the use of more hands-on equipment as they practice the skills they acquired in carpentry and other types of construction. Completion of this course will help prepare the student for other Career-Technical courses such as Construction Technology. (010531)

CARPENTRY AND CONSTRUCTION TOOLS UTILIZED IN THE PROGRAM:

Table Saw, Sliding Compound Miter Saw, Drill Press, Band Saw, Scroll Saw, Panel Saw, Planer, Jointer, Shaper, Combination Belt/Disc Sander, Oscillating Spindle Sander, Welding Machine, variety of Dewalt Hand Power Tools, and a large variety of Hand Tools. Students will also use Builders' Levels, Transits, and Laser leveling Devices.

AUTOMOTIVE SERVICE TECHNOLOGY

Automotive Service Technology provides students with classroom and laboratory experiences utilizing current and emerging technologies in automotive service theory and repair. Students acquire hands-on experiences in learning to use computer control systems and other electronic diagnostic and testing equipment. Learning to use technical manuals and make decisions to solve problems is emphasized. This program incorporates all personal and environmental safety practices associated with clothing; eye protection; hand tools; power equipment and proper ventilation. Safety practices involving the handling, storage, and disposal of chemicals/materials in accordance with local, state, and federal safety and environmental regulations are taught.

This program follows the guidelines and standards set by the Automotive Service Excellence (A.S.E.) / National Automotive Technicians Foundation, Inc. (N.A.T.E.F.).

Students desiring to make Automotive Servicing their career choice will have an opportunity to become involved with the AYES Program (Automotive Youth Educational Systems). AYES is a partnership between new car dealerships and education that provides a working sponsorship opportunity for qualifying students. Students also have the opportunity to participate in Skills-USA, the Career Tech student organization.

41401

Engine Repair-Semester 1

½ Unit

FEE: \$10.00

Pre-requisites: None

(Grade 9)

This is an introductory class for students desiring hands-on shop experience. It is for students who have limited knowledge about automobiles, tools, and theory. Students study various aspects of automotive technology, including preventive maintenance, becoming familiar with parts of the engine, oil changing, tire rotation and balancing, and engine tune-up. Students have the opportunity to participate in SkillsUSA-VICA student organization. Students are required to purchase safety glasses. (470309)

41401

Engine Repair-Semester 2

½ Unit

FEE: \$10.00

Pre-requisites: Engine Repair-Semester 1

(Grade 9)

This course is a continuation of the first semester. Upon completion of this course, students should be able to decide if a career in the automotive service profession is for him/her. The basic knowledge and skills acquired should enable a person to perform routine maintenance on most vehicles. Students are required to purchase safety glasses. (470309)

41501

Electrical / Electronic Systems I-Semester 1

½ Unit

FEE: \$10.00

Pre-requisites: NONE

(Grades 10-12)

This is a one-credit course that provides students with classroom and laboratory instruction in electrical and electronic system operations, diagnosis and repairs. Strong emphasis is placed on system operations, circuit diagnosis, wiring diagrams, and equipment usage. Upon successful completion of the course, students are able to diagnose and repair electrical/electronic systems. Hands-on work experiences and

SkillsUSA-VICA leadership activities provide many opportunities to enhance classroom instruction and career development. Students are required to purchase safety glasses. (470301)

41501

Electrical / Electronic 1-Semester 2

½ Unit

FEE: \$10.00

Pre-requisites: Electrical / Electronic Systems 1-Semester 1 (Grades 10-12)

This course is a continuation of first semester. Project-based instruction allows the student to demonstrate the proper use of wiring diagrams, appropriate test procedures for batteries and starting systems, test voltage regulator and analyze lighting systems problems. Students are required to purchase safety glasses. (470301)

41503

Brakes II / Suspension and Steering-Semester 1

½ Unit

FEE: \$10.00

Pre-requisites: NONE (Grades 10-12)

This is a one-credit course that is designed to provide students with a working knowledge of brake- assist assemblies, anti-lock systems, suspension diagnosis, alignment procedures, and wheel balancing. Upon successful completion of this course, students are able to repair brake, suspension, and steering systems. Hands-on work experiences and SkillsUSA-VICA leadership activities provide many opportunities to enhance classroom instruction and career development. (470303)

41503

Brakes II / Suspension and Steering-Semester 2

½ Unit

FEE: \$10.00

Pre-requisites: Brakes II / Suspension and Steering-Semester 1 (Grades 10-12)

Project-based learning continues in this one-hour course. Students will demonstrate the ability to properly diagnose steering system problems, perform wheel alignment checks or adjustments, and diagnose / repair wheels and tires. (470303)

41505

Electrical/Electronic II / Brakes 1-Semester 1

½ Unit

FEE: \$10.00

Pre-requisites: None (Grade 10-12)

Brake system operations, including disc/drum brake diagnoses and repairs, are the focus of this one-credit course. Students are taught to properly remove, clean, inspect, and install disc brake components. Students will demonstrate proper testing techniques for diagnosing problems involving anti-lock brake system components. Hands-on work experiences and SkillsUSA-VICA leadership activities provide many opportunities to enhance classroom instruction and career development. (470302)

41505

Electrical/Electronic II / Brakes 1-Semester 2

½ Unit

FEE: \$10.00

Pre-requisites: Electrical/Electronic II / Brakes 1-Semester 1 (Grades 10-12)

Experiences in repairing brake systems continue in the second semester of this course. Students will analyze brake problems and apply proper repair procedures. Upon successful completion of this course, students are able to repair accessory and brake systems. (470302)

41507**Engine Performance 1 Theory -Semester 1 ½ Unit FEE: \$10.00**

Pre-requisites: Successful completion of one credit in Auto Service Technology
(Grades 10-12)

This one-credit theory course provides students with knowledge regarding general engine diagnosis, computerized engine controls, ignition systems, fuel systems, and emission control systems. Strong emphasis is placed on learning theory related to diagnosing and problem solving to make recommendations for repairing engine performance-related systems. Hands-on work experiences and SkillsUSA-VICA leadership activities provide many opportunities to enhance classroom instruction and leadership skills. (470304)

41507**Engine Performance 1 Theory-Semester 2 ½ Unit FEE: \$10.00**

Pre-requisites: Engine Performance 1 Semester 1 (Grades 10-12)

Advanced theory on system and engine components continues as students demonstrate knowledge in interpreting engine problems. Students learn what is involved in following procedures for a proper diagnosis, interpretation, and verification of engine performance- related problems. (470304)

41508**Engine Performance II Lab-Semester 1 ½ Unit FEE: \$10.00**

Pre-requisites: Successful completion of or current enrollment in (Grades 10-12)
Eng. Performance 1-Theory

Advanced students gain in-depth information and hands-on skills regarding general engine diagnosis, computerized engine controls, ignition systems, fuel systems, and emission control systems. Students utilize engine diagnostic equipment for solving engine malfunctions and make ignition system diagnosis and repairs. Skills taught include properly removing, inspecting, testing, installing, and adjusting components of engine-related service. Hands-on work experiences and SkillsUSA-VICA leadership activities provide many opportunities to enhance classroom instruction and career development. (470305)

41508**Engine Performance II Lab-Semester 2 ½ Unit FEE: \$10.00**

Pre-requisites: Engine Performance II Lab-Semester 1 (Grades 10-12)

This advanced lab is a continuation of utilizing skills to acquire a working knowledge of diagnosis and repair of computerized engine control systems. Upon completion, students should be able to properly use specialized equipment to locate and diagnose engine problems and recommend repair procedures. (470305)

41509**Automotive Service Technology Lab Assistant No Credit FEE: None**

Pre-requisites: Approval by Instructor (Grades 10-12)

A small group of specially selected students will aid the Automotive Service Technology Department in gathering materials, setting up laboratories, filing and inventorying supplies, and performing other duties as directed by the teacher. (990150)

BUSINESS / MARKETING EDUCATION

The Business/ Marketing program provides students with basic preparation for a dynamic and challenging position in today's competitive marketplace. As students gain knowledge and professional experiences, they develop skills essential for success. Students experience challenging activities and acquire critical-thinking skills as they enhance employability skills. The curriculum provides a program that is student-centered and project-based with flexibility regarding course selection.

Students master basic skills in the areas of word processing, database management, and spreadsheets. Students explore marketing concepts, national and global economics, entrepreneurship concepts and human relations. Courses include instruction in desktop publishing, web publishing, and digital graphics. A major emphasis is placed on guiding students through real-world experiences to ease the school-to-career transition.

Participation in the student organization, Future Business Leaders of America (FBLA), enables students the opportunities to develop leadership, build self-esteem, and practice community service. The activities are member-planned, member-directed, and member-centered.

31401

BUSINESS TECHNOLOGY ESSENTIALS – Semester 1 ½ Unit FEE: \$10.00

Pre-requisite: None

(Grades 9–12)

This course is designed to help students master basic skills in the areas of word processing, database management, spreadsheet, presentations, Internet use, and E-mail. Students are also offered opportunities to gather information about careers in technology. Simulations and projects promoting teamwork and leadership skills offer further opportunities for application of knowledge and skills.

SimNet interactive software is used so students can master the skills in Microsoft Office applications and computer concepts. (520506)

31401

BUSINESS TECHNOLOGY ESSENTIALS – Semester 2 ½ Unit FEE: \$10.00

Pre-requisite: Business Technology Essentials – Semester 1 (Grades 9-12)

Building on the skills introduced the first semester, the student develops proficiency in word processing, database management, spreadsheets, Internet use and E-mail effectiveness.

Students continue to use SimNet XPer to acquire skills through a combination of text, graphics, and interactivity. Animation is used to show how the skill is used while listening to an audio narration describing the steps or process. The student has opportunities to practice and become proficient using the wide range of content modules. (520506)

31403**BUSINESS/MARKETING ESSENTIALS-Semester 1 ½ Unit FEE: None**
MARKETING DYNAMICS/COORDINATED STUDIES

Pre-requisite: None

(Grades 10-12)

This is an introductory course in marketing that allows students the opportunity to coop. Students are allowed to coop in the 11th grade. It serves as the foundation for future study in the marketing profession. Students will prepare a career employment portfolio and evaluate career choices. Topics include basic business principles, marketing concepts, systems thinking and total quality, and the current environment for business and marketing in the marketplace. (520505, 520513, 701101)

31403**BUSINESS/MARKETING ESSENTIALS-Semester 2 ½ Unit FEE: None**
MARKETING DYNAMICS/COORDINATED STUDIES

Pre-requisite: Business/Marketing Essentials/Marketing Dynamics-Semester 1

(Grades 10-12)

The second semester of this course allows the student to explore in more depth the basics to the business/marketing field. A major emphasis is place on guiding students to make decisions regarding a specialized marketing career and to develop and finalize a career portfolio. (520505, 520513, 701101)

31505**INTERACTIVE MULTIMEDIA DESIGN – Semester 1 ½ Unit FEE: \$15.00**

Pre-requisite: Business Technology Essentials

(Grades 10-12)

Designed to provide students with skills involving presentations, desktop publishing, web publishing, and digital graphics, this course involves the most current use of technology in the business world. Students use various hardware peripherals as well as the Internet for integrating skills to create a variety of publications. (520510)

31505**INTERACTIVE MULTIMEDIA DESIGN – Semester 2 ½ Unit FEE: \$15.00**

Pre-requisite: Interactive Multimedia Design – Semester 1

(Grades 10-12)

As students continue this course from the first semester, they develop greater skills in special uses of technology such as desktop and web publishing, digital graphics, etc. Upon successful completion of both semesters, students are able to pursue further study in the professional interactive multimedia design. (520510)

31507**INTEGRATED COMPUTER TECHNOLOGY – Semester 1 ½ Unit FEE:\$15.00**

Pre-requisite: Business Technology Essentials

(Grades 10-12)

This course provides students with project-based applications of concepts learned in Business Technology Essentials. A major emphasis is placed on guiding students through real-world experiences to ease the school-to-career transition. (520509)

31507

INTEGRATED COMPUTER TECHNOLOGY – Semester 2 ½ Unit FEE \$15.00

Pre-requisite: Integrated Computer Technology – Semester 1 (Grades 10-12)

This course is a continuation of Integrated Computer Technology-A. It provides students with project-based applications of concepts learned in Business Technology Essentials. A major emphasis is placed on guiding students through real-world experiences to ease the school-to-career transition. (520509)

COOPERATIVE EDUCATION

The Cooperative Education program assists students in making smart choices about a career by helping them identify their abilities, interests and aptitudes. Students are able to participate in work-site experiences in the Florence area whereby they explore a variety of occupations through on-the-job training. The goal of this program is for the student to gain firsthand experience and information for making career choices.

31403

BUSINESS/MARKETING ESSENTIALS-Semester 1 ½ Unit **FEE: None**
MARKETING DYNAMICS/COORDINATED STUDIES

Pre-requisite: None (Grades 10-12)

This course allows students the opportunity to prepare to co-op in the 11th grade. It serves as the foundation for future study in the marketing profession. Students prepare a career employment portfolio and evaluate career choices. Topics include communication and interpersonal skills, basic business principles, marketing concepts, computer applications, and business and personal finance. (520505, 520513, 701101)

31403

BUSINESS/MARKETING ESSENTIALS-Semester 2 ½ Unit **FEE: None**
MARKETING DYNAMICS/COORDINATED STUDIES

Pre-requisite: Business/Marketing Essentials-Semester 1 (Grades 10-12)

The second semester of this course allows the student to explore in more depth the basics to the business/marketing field. A major emphasis is place on guiding students to make decisions regarding a specialized marketing career and to develop and finalize a career portfolio. (520505, 520513, 701101)

34612, 34622, 34632

CO-OP WORK-BASED STUDY **Up to 3 Units** **FEE: None**

Pre-requisites: Coordinated Studies (completed or in progress) (Grades 10-12)

At least 16 years old

Means of transportation to job site

Co-op Work-Based Study informs students of many worthwhile wage-earning occupations. They must be able to accumulate a minimum of 270 hours in on-the-job training per semester per credit. Students receive wages as well as one, two, or three units of credit and are excused from school each afternoon to report to their training station. (**Computer numbers for Co-op Work-Based Study: 34612 – 1 hour; 34622 – 2 hours; 34632 – 3 hours**) (All 701102)

34613, 34623, 34633

CO-OP WORK BASED STUDIES II/ SEMINAR **Up to 3 Units** **FEE: None**

Pre-requisite: One credit in Coordinated Studies (Grades 11-12)

After earning one credit in coordinated studies, students enrolled in the Cooperative Education Program are required to participate in the Coordinated Studies Seminar equivalent to one class period per week. Course content includes: Career/educational plan, resume development, transcripts, honors, awards, commendations, employment credentials, work evaluations, job and/or college applications, references, letters of recommendation, work samples, wage and hour reports, and workplace issues. Students participate in work-based learning experience related to the career objectives.

(Computer numbers for Co-op Work Based Study II: 34613 – 1 hour; 34623 – 2 hours; 34633 – 3 hours) (All 701102)

42515

NAIL CARE – Semester 2

½ Unit

FEE: \$10.00

(Nail Care and Applications, Semester 2)

Pre-requisite: Nail Care – Semester 1

(Grades 9-12)

This course is a continuation of the first semester course. Students continue to become competent in nail care services including manicures, pedicures, and artificial nail care. Information on product knowledge and chemicals used in proper sanitation and safety procedures is included. After completion of this course, students will have a broad knowledge of requirements for a career in nail technology. (440106)

42617

NAIL ART – Semester 1

½ Unit

FEE: \$10.00

(Nail Art and Applications, Semester 1)

Pre-requisite: Nail Care

(Grades 10-12)

This one-half credit course concentrates on skills involving advanced nail techniques. Nail structure, diseases, and growth are studied. Students learn and practice procedures for nail sculpting and nail art. The course provides students with knowledge and practice in the different systems of application of artificial nails. Upon successful completion of this course, students are able to identify a variety of types of sculptured nails and perform procedures for nail sculpting and nail art. (440107)

42617

NAIL ART – Semester 2

½ Unit

FEE: \$10.00

(Nail Art and Applications, Semester 2)

Pre-requisite: Nail Art – Semester 1

(Grades 10-12)

The second semester of Nail Art is a continuation of practicing advanced techniques in the application of artificial nails. Students continue to perform procedures in pedicures and manicures. This course provides students with a study of the various products used in nail art and nail care. Upon successful completion of this course, students are able to perform a variety of types of artificial nail applications. Safety and sanitation procedures are taught on all nail services. (440107)

42511

ADVANCED COSMETOLOGY- Semester 1

½ Unit

FEE: \$10.00

(Chemical Methodology, Semester 1)

Pre-requisite: Introduction to Cosmetology

(Grades 10-12)

This course focuses on the theory of hair composition and chemical services. Students learn to perform procedures in chemical relaxing and permanent waving. Guidelines on safety and sanitation procedures are included. (440102)

42511

ADVANCED COSMETOLOGY – Semester 2

½ Unit

FEE: \$10.00

(Chemical Methodology, Semester 2)

Pre-requisite: Advanced Cosmetology – Semester 1

(Grades 10-12)

This course concentrates on chemical procedures, scalp disorders, treatments, and chemical product knowledge related to salon chemical services. Students learn to perform a scalp and hair analysis and make evaluations based on observations. Information on safety, sanitation, and professional ethics is included. (440102)

42513

ESTHETICS / SKIN CARE – Semester 1 ½ Unit **FEE: \$10.00**

Pre-requisite: Introduction to Cosmetology or Nail Care (Grades 10-12)

Esthetics focuses on skills and knowledge related to skin care. Students learn the structure and functions of various systems of the body and their effect on the skin. Proper techniques for skin care along with product knowledge are taught. Topics of study include safety, sanitation, skin analysis, diseases, disorders, facial machines, hair removal, and facial massage. Students observe demonstrations and acquire hands-on experiences in the use of state-of-the-art equipment. (440105)

42513

ESTHETICS / SKIN CARE – Semester 2 ½ Unit **FEE: \$10.00**

Pre-requisite: Esthetics / Skin Care - Semester 1 (Grades 10-12)

Upon successful completion of this second semester course, students are able to prepare clients; assemble sanitized materials; follow procedures for product application; recognize skin disorders; and demonstrate facial massage movement. Students learn to use skin care equipment to perform skin care analysis, and demonstrate their knowledge of treatments for specific skin types. (440105)

COSMETOLOGY EQUIPMENT UTILIZED IN THE PROGRAM:

The Cosmetology Lab is set up as near as possible like a modern-day beauty industry salon with professional work stations, dryers, shampoo stations and professional equipment such as blow dryers and curling irons. Manicure tables, nail centers and up-to-date facial equipment are utilized. Theory classes use a variety of visual aids such as detailed videos on basic procedures and laser disc study in haircutting and science.

DRAFTING DESIGN TECHNOLOGY

Engineering Drawing/Design and Architectural Design offer a hands-on learning experience for any student interested in working as an Engineer, Architect, Drafter, Builder, Interior Designer, or as a professional in any other design field. Commercial Art courses focus on skills used in the world of advertising. Students acquire a strong foundation for college courses in the Design profession. Many of these courses transfer for college credit. The study of animation and character design is included in the Commercial Art courses. Upon completion of the Engineering portion of this program, the student may elect to take the ADDA certification examination to become a nationally certified Design Drafter.

43405

INTRODUCTION TO ENGINEERING DRAWING – Semester 1

(Introduction to Drafting Design, Semester 1) ½ Unit FEE: \$10.00

Pre-requisites: None

(Grades 9-12)

This course takes a student who might have no Engineering Drawing experience into the fascinating world of Design. The student becomes familiar with Drafting instruments and techniques, lettering and drawing techniques, and CAD software. Skills in Computer Animation are taught as principles of 3-D Animation in Solid Model Design Courses. (410401)

43405

INTRODUCTION TO ENGINEERING DRAWING – Semester 2

(Introduction to Drafting Design, Semester 2) ½ Unit FEE: \$10.00

Pre-requisites: Introduction to Engineering Drawing – Semester 1 (Grades 9-12)

Continued emphasis is placed in this course on lettering and drawing techniques, appropriate use of CAD software, multi-view drawing, and basic dimensioning. (410401)

43505

ENGINEERING DRAWING AND DESIGN – Semester 1 ½ Unit FEE: \$10.00

(Intermediate Mechanical Design, Semester 1)

Pre-requisite: Introduction to Engineering Drawing (Grades 10-12)

The following topics are included in this second-year course: section views, auxiliary views, threads and fasteners, pictorial views, dimensioning and Computer-Aided Drafting (CAD). (410402)

43505

ENGINEERING DRAWING AND DESIGN – Semester 2 ½ Unit FEE: \$10.00

(Intermediate Mechanical Design, Semester 2)

Pre-requisite: Engineering Drawing and Design – Semester 1 (Grades 10-12)

In-depth design work is accomplished through the broad understanding of the design process which the student has gained and continues to develop in this course. Students explore 3-D Modeling and work on profile creation, protrusions, and rendering techniques. (410402)

43407

INTRODUCTION TO ARCHITECTURAL DESIGN – Semester 1

½ Unit FEE: \$10.00

Pre-requisites: None

(Grades 9-12)

This course focuses on the design of residences. It includes the development of residential floor plans, an exploration of various styles of houses and basic interior design work in the areas of foundations, electrical service and wall sections. (410405)

43407

INTRODUCTION TO ARCHITECTURAL DESIGN – Semester 2

½ Unit FEE: \$10.00

Pre-requisites: Introduction to Architectural Design – Semester 1

(Grades 9-12)

As students progress in their understanding of basic architectural design work, they continue to explore the topics covered in the first semester of this course and add to it such topics as roof design and exterior elevations. (410405)

43507

ARCHITECTURAL DESIGN II – Semester 1

½ Unit

FEE: \$10.00

Pre-requisites: Introduction to Architectural Design

(Grades 10-12)

This course takes the student of architecture into the more advanced areas of residential design such as multi-level residential floor plans, detail drawings, exterior elevations and residential site planning. (410406)

43507

ARCHITECTURAL DESIGN II – Semester 2

½ Unit

FEE: \$10.00

Pre-requisites: Architectural Design II – Semester 1

(Grades 10-12)

Experiences in architectural design continue in this advanced course. These topics, among others, are included: building specifications, roof designs and career readiness projects. (410406)

43509

DRAFTING LAB ASSISTANT

No Credit

FEE: None

Pre-requisites: Approval by Instructor

(Grades 10-12)

A small group of specially selected students aid the Drafting and Design Department in gathering materials, setting up laboratories, filing and inventorying supplies, and performing other duties as directed by the teacher. (990150)

43408

COMMERCIAL ART – Semester 1

½ Unit

FEE: \$10.00

(Introduction to Visual Art I, Semester 1)

Pre-requisites: None

(Grades 9-12)

This is a hands-on, project-based class that focuses on the design and creation of printed advertisements, merchandise packaging, logos, and company slogans. Students learn the basics of advertisement layout and design and learn many “tricks of the trade” in the business of advertising. Students use a variety of media to create mock advertisements for everyday products and services. Students also learn to use Photo Shop, which is the most used software in the advertising industry. Students are introduced to Computer Animation software. Students receive ½ unit in Fine Arts for completion of this course. (410101)

43408

COMMERCIAL ART/COMPUTER ANIMATION – Semester 2

(Introduction to Visual Art II, Semester 2)

½ Unit

FEE: \$10.00

Pre-requisites: Commercial Art – Semester 1

(Grades 9-12)

This is a continuation of Commercial Art-Semester 1. Students are given the opportunity to show off their layout skills by creating entries for several state and local poster contests. In addition to the printed ad layouts, the student continues to develop skills in Computer Animation. Students apply the elements of design and sharpen visual communication through animation and design short animated stories. Students who successfully complete this course are prepared for advanced study of animation and character design. (410101)

EQUIPMENT AND SOFTWARE USED IN THE DRAFTING DESIGN PROGRAM:

Drafting tables with parallel bars, Gateway computers, HP printers, HP plotters, HP scanners, Boxlite computer projector, AutoCad 2000 with Architectural Desktop, Adobe PhotoShop, and Computer Animation.

ELECTRONICS TECHNOLOGY

The purpose of Electronics Technology is to provide students with a firm foundation in the basic of electronics. The curriculum provides education and training in current and emerging technologies. Upon successful completion of this program, students are prepared to enter postsecondary training, apprenticeship or entry-level employment in the field of electronics. Many of these courses transfer for college credit. The required content described in the curriculum is based on national skill standards as developed by the Electronics Industries Association (EIA). Classroom and laboratory instruction includes, but not limited to, safety, DC Circuitry, AC Circuitry, semiconductors, analog circuits, digital circuits, and microprocessors. Hands-on work experiences and SkillsUSA-VICA leadership activities provide many opportunities to enhance classroom instruction and career development. In addition, instruction and training are provided for students regarding the proper care, maintenance, and use of tools and equipment.

43411

ELECTRONICS I – Semester 1
(Direct Current, Semester 1)

½ Unit

FEE: \$10.00

Pre-requisites: None

(Grades 9-12)

This course prepares students for careers in electricity or electronics. Students are provided with information regarding basic atomic theory, electronic components, quantities, and measurements. Students learn in a hands-on lab environment which includes theory and experimentation. The course offers a high-tech introduction to the Electronics field utilizing computer-based Electronic Workbench software with studies in basic electricity theory, including Ohm's Law, series and parallel circuits, resistance, capacitance, AC and DC theory, transistors and digital electronics. (460211)

43411

ELECTRONICS I – Semester 2
(Direct Current, Semester 2)

½ Unit

FEE: \$10.00

Pre-requisites: Electronics I – Semester 1

(Grades 9-12)

This is a continuation of Electronics I-Semester 1. It prepares students for careers in electricity or electronics. Students are provided with information regarding basic atomic theory, electronic components, quantities, and measurements. Students learn in a hands-on lab environment which includes theory and experimentation. The course offers a high-tech introduction to the Electronics field utilizing computer-based Electronic Workbench software with studies in basic electricity theory, including Ohm's Law, series and parallel circuits, resistance, capacitance, AC and DC theory, transistors and digital electronics. (460211)

43516

ELECTRONICS II – Semester 1
(Alternating Current, Semester 1)

½ Unit

FEE: \$10.00

Pre-requisites: Electronics I

(Grades 10-12)

This course provides students with information regarding measurement, circuit analysis, reactive circuits, magnetism, power, and test equipment. Upon successful

completion of this course, students demonstrate understanding of reactive circuit construction and analysis and the use of test equipment. Students receive both classroom instruction and hands-on laboratory experiences. A strong emphasis is placed on proper safety practices and industry ethics. (460212)

43516

ELECTRONICS II – Semester 2
(Alternating Current, Semester 2)

½ Unit

FEE: \$10.00

Pre-requisites: Electronics II – Semester 1

(Grades 10-12)

This is a continuation of Electronics II – Semester 1. It provides students with information regarding measurement, circuit analysis, reactive circuits, magnetism, power, and test equipment. Upon successful completion of this course, students demonstrate understanding of reactive circuit construction and analysis and the use of test equipment. Students receive both classroom instruction and hands-on laboratory experiences. A strong emphasis is placed on proper safety practices and industry ethics. (460212)

43514

COMPUTER MAINTENANCE – Semester 1

½ Unit

FEE: \$10.00

Pre-requisites: None

(Grades 10-12)

Computer Maintenance provides students with information regarding the maintenance, upgrading, and configuration of PC hardware, components, and peripherals. Upon successful completion of this course, students are able to maintain, upgrade, and configure PC systems. Students receive both classroom instruction and hands-on laboratory experiences. A strong emphasis is placed on proper safety practices and industry ethics. (460215)

43514

COMPUTER MAINTENANCE – Semester 2

½ Unit

FEE: \$10.00

Pre-requisites: Computer Maintenance – Semester 1

(Grades 10-12)

This is a continuation of Computer Maintenance – Semester 1. Students apply theory to hands-on applications in dealing with computer operations. Advanced operations include computer building, networking, trouble-shooting and maintenance. This course uses diagnostic software and state-of-the-art fault insertion cards to simulate actual problem solving. Through the use of a computer trainer, students can achieve A+ hardware/software certification. (460215)

43512

AV/DIGITAL ENGINEERING – Semester 1
(Digital, Semester 1)

½ Unit

FEE: \$10.00

Pre-requisites: Electronics I

(Grades 10-12)

This course explores the new age of digital communications. Students study and install car audio and alarm systems. It also introduces students to digitized audio/video systems. Students set up and maintain studio equipment used in conjunction with digital audio/video technology. Equipment used includes 16-track audio console, microphones, CD recorder, and studio monitors. This course utilizes computer-based systems with hands-on applications to prepare students for advanced audio engineering. (460214)

43512

AV/DIGITAL ENGINEERING – Semester 2 ½ Unit **FEE: \$10.00**
(Digital, Semester 2)

Pre-requisites: AV Digital Engineering – Semester 1 (Grades 10-12)
This is a continuation of Electronics I – Semester 1. Students continue their study of digital communications. They apply their knowledge to hands-on applications using state-of-the-art technology. Students participate in school-wide activities, acting as communication technicians, by setting up and maintaining digital communications equipment. (460214)

43517

SEMICONDUCTORS – Semester 1 ½ Unit/Semester **FEE: \$10.00**

Pre-requisites: Electronics II (Grades 11-12)
This is a one-hour laboratory-based course serving as an extension of Electronics I and II. Study includes theory and application of knowledge to electronic circuits. It builds upon the knowledge and skills learned previously in Introduction to Electronics. New topics of study include: power supplies, operational amplifiers, oscillators, power transistors, integrated circuits, microprocessors and semiconductor control devices. A two-hour lab is available with permission of instructor. (460213)

43517

SEMICONDUCTORS – Semester 2 ½ Unit/Semester **FEE: \$10.00**

Pre-requisites: Semiconductors – Semester 1 (Grades 11-12)
This one-hour laboratory-based course is a continuation of Semiconductors and Electromechanical Controls. Students apply their knowledge and skills to electronics projects utilizing a computer-based instructional package called The Electronic Workbench. They apply the theory of power supplies, amplifiers, oscillators, power transistors, integrated circuits, microprocessors and semiconductor control devices to practical applications. A two-hour lab is available with permission of instructor. (460213)

43519

ELECTRONICS LAB ASSISTANT **No Credit** **FEE: None**

Pre-requisites: Approval by Instructor (Grades 10-12)
A small group of specially selected students aid the Electronics Department in gathering materials, setting up laboratories, filing and inventorying supplies, and performing other duties as directed by the teacher. (990150)

ELECTRONICS EQUIPMENT UTILIZED IN THIS PROGRAM:

Digital multimeters, Analog multimeters, Oscilloscope, Transistor Analyzer, Capacitor/Inductor Analyzer, radio Frequency Generator/Modulator, Audio Frequency Generator, Computer Word Generator, Logic Analyzer, Logic Converter, Function Generator, Bode Plotter, AC/DC Power Supply and Computer Trainers.

FAMILY AND CONSUMER SCIENCE

The mission of Family and Consumer Sciences Education is to prepare students for family life, work, and careers in Family and Consumer Sciences Education. Opportunities are provided to develop the knowledge, skills, attitudes, and behaviors needed for becoming responsible citizens and leaders. Students use critical and creative thinking skills to address problems in family, community, and work environments. Students engage in project-based learning as they participate in school-based laboratory experiences.

A variety of courses is offered to meet individual needs of students. These courses provide students opportunities to explore relationships, learn about factors that affect health and nutritional needs, experience food preparation and dining etiquette, study financial management, housing decisions and interior design, and investigate parenting and family issues and career opportunities.

Family, Career and Community Leaders of America (FCCLA), an integral part of the curriculum, enhances leadership development skills and provides opportunities for community service.

33402

FAMILY WELLNESS

½ Unit

FEE: \$10.00

Pre-requisites: None

(Grade 9)

This course meets the ½ unit health requirement for graduation.

Family Wellness is a one-half credit course for students interested in health issues that impact individuals, families, and communities. Topics include: family health goals, promotion of good health, health risks, conflict resolution, communication skills needed in healthy relationships, mental health, grief, genetics, disease prevention, chronic illness, nutrition, substance abuse, home safety, emergency care, and first aid. FCCLA, an integral part of the curriculum, enhances leadership development skills and provides opportunities for community service. Dues for FCCLA are not included in class fee. CPR training is required for the Health credit. Fee includes CPR training using American Red Cross equipment. (200636)

33403

LIFE CONNECTIONS

½ Unit

FEE: \$10.00

Pre-requisites: None

(Grade 9)

Life Connections is a one-half credit course focusing on practical problems related to nurturing human development throughout the life span. Course content includes: basic needs of individuals, stages across the life span, dating and marriage, financial management, career planning, balancing work, family, and community services, technology, and career relating to the life span. FCCLA, an integral part of the curriculum, enhances leadership development skills and provides opportunities for community service. Dues for FCCLA are paid in the fall semester. (200635)

33405

FOOD AND FITNESS

½ Unit (Fall Semester) FEE: \$40.00

Pre-requisites: None

(Grades 10-12)

Food and Fitness is a one-half credit course that enables students to assess the components and lifelong benefits of sound nutrition and fitness practices and to apply these principles to their everyday lives. Course content provides opportunities for students to explore factors that impact lifelong individual health and well, laws and legislation, nutrition needs across the life span; fad diets and food addictions; personal hygiene and health procedures; food preparation, recipe evaluation, and kitchen space efficiency; food safety; etiquette, manners, and table setting; community resources and services; technology; and career options in the field of food, fitness, nutrition and wellness. *Family, Career and Community Leaders of America (FCCLA)*, an integral part of the curriculum, enhances leadership development skills and provides opportunities for community service. Dues for FCCLA are not included in class fee. Field trips may include local restaurants and regional cooking schools. FEE INCLUDES REQUIRED LABORATORY EXPERIENCES. (200641)

33406

CREATIVE FOODS

½ Unit (Spring Semester)

FEE: \$40.00

Pre-requisites: None

(Grades 10-12)

Creative Foods is a one-half credit course that introduces students to national and international food choice, preparations techniques, and presentation. Course content provides opportunities for students to explore topics such as influences on food choice, food production, recipe and menu evaluation; food preparation equipment, food storage and safety, meal service, dining etiquette, food preparation for special occasions, technology, and career options in food production. *Family, Career and Community Leaders of America (FCCLA)*, an integral part of the curriculum, enhances leadership development skills and provides opportunities for community service. Dues for FCCLA are not included in class fee. FEE INCLUDES REQUIRED LABORATORY EXPERIENCES. (200642)

33407

TEEN DYNAMICS-Semester 1

½ Unit

FEE: \$15.00

Pre-requisites: None

(Grade 9)

Teen Dynamics is a yearlong course focusing on teen roles and responsibilities in the home, school, and the community. Course content provides opportunities for students to explore personal development; stages of child development; changes and challenges faced by teenagers; conflict resolution; health, wellness, and healthy appearance; teen buying; clothing decisions; organizing living space; home safety; technology and career options in family and consumer sciences. *Family, Career and Community Leaders of America (FCCLA)*, an integral part of the curriculum, enhances leadership development skills and provides opportunities for community service. Dues for FCCLA are not included in class fee. FEE INCLUDES REQUIRED LABORATORY EXPERIENCES. (200608)

33407

TEEN DYNAMICS-Semester 2

½ Unit

FEE: \$15.00

Pre-requisites: Teen Dynamics –Semester 1

(Grade 9)

This course is a continuation of Teen Dynamics-Semester 1. Students participate in project-based learning experiences that allow them to explore the relation among food, nutrition, fitness, and wellness. Students learn to prepare food creatively. This course prepares teens to meet the challenge of living responsibly in a diverse society. FEE INCLUDES REQUIRED LABORATORY EXPERIENCES. (200608)

33513

HOUSING DECISIONS

½ Unit (Fall Semester) FEE: \$10.00

Pre-requisites: None

(Grades 10-12)

Housing Decisions is a one-half credit course that introduces students to the selection and planning of living environments to meet the needs and wants of individuals and families across the life span. Course content provides opportunities for students to explore housing options, architectural styles of housing, factors that influence housing selection, housing legislation and regulation, ownership options, home construction and repairs, home furnishings and accessories, home maintenance, landscape design, home safety, environmental and energy issues, technology, and career options related to the housing industry. *Family, Career and Community Leaders of America (FCCLA)*, an integral part of the curriculum, enhances leadership development skills and provides opportunities for community service. Dues for FCCLA are not included in class fee. FEE INCLUDES LABORATORY EXPERIENCES. (200651)

33515

INTERIOR DESIGN

½ Unit (Spring Semester) FEE: \$10.00

Pre-requisites: None

(Grades 9-12)

This Course meets the ½ unit Fine Art requirement for graduation.

Interior Design is a one-half credit course that introduces students to the historical aspects and contemporary trends in housing and interior design. Course content provides opportunities for students to explore elements and principles of design; blueprinting; space planning by creating functional, safe, and aesthetic spaces for individuals and families across the life span; furniture style; furniture and accessory selection; technology; and careers in the field of Interior Design. *Family, Career and Community Leaders of America (FCCLA)*, an integral part of the curriculum, enhances leadership development skills and provides opportunities for community service. Dues for FCCLA are not included in class fee. FEE INCLUDES LABORATORY EXPERIENCES. (200652)

33517

PARENTING

½ Unit (Fall Semester) FEE: \$10.00

Pre-requisites: None

(Grades 10-12)

Parenting is a one-half credit course that allows students to focus on practical problems related to parenting roles and responsibilities. Course content provides opportunities for students to explore preparation for parenthood; signs and changes in pregnancy; prenatal development, labor and delivery; and birth defects and children with exceptionalities. Observational experiences are a required component of this course. *Family, Career and Community Leaders of America (FCCLA)*, an integral part of the curriculum, enhances leadership development skills and provides opportunities for community services. Dues for FCCLA are not included in class fee. FEE INCLUDES REQUIRED LABORATORY EXPERIENCES. (200632)

33518

CHILD DEVELOPMENT

½ Unit (Spring Semester) FEE: \$10.00

Pre-requisites: None

(Grades 10-12)

Child Development is a one-half credit course that helps students develop skills related to the physical, social, intellectual, and emotional development of children. Course content provides opportunities for exploring child development theories. Topics include stages of development, child health and safety, behavior management, child abuse, needs of exceptional children, childcare services, community resources, technology, and career opportunities for working with children. Observational experiences are a required component of this course. *Family, Career and Community Leaders of America (FCCLA)*, an integral part of the curriculum, enhances leadership development skills and provides opportunities for community service. Dues for FCCLA are not included in class fee. FEE INCLUDES REQUIRED LABORATORY EXPERIENCES. (200633)

33509

FAMILY AND CONSUMER SCIENCE ASSISTANT No Credit FEE: NONE

Pre-requisites: One unit of a Family and Consumer Science Course (Grades 11-12)

A select group of students are trained to assist in the Family and Consumer Science laboratories. These students are responsible for assisting both teachers and students in laboratory experiences, maintenance and up-keep of department, and special activities. Computer skills are essential. (990150)

GRAPHIC ARTS TECHNOLOGY

Graphic Arts Technology is a wide range of printing and publishing occupations since printing is expanding into a high-tech industry merging computer technology with production. Students enrolled in this program work toward PrintEd Certification. To receive national PrintEd Certification students must demonstrate proficiency in two or more of the nine specialized graphic arts fields. These include: Introduction to Printing, Electronic Imaging, Image Assembly/Plate Making, Advanced Electronic Prepress, Advanced Press Operation, Basic Offset Press, Finishing/Binding, Reproduction Photography and Advanced Image Assembly and Plate Making. In order for students to receive PrintEd Certification they must complete the tasks included in Graphic Arts Technology and any one of the other specialized areas of interest. These specialized areas of study will be accomplished through individualized instruction with a printing industry Journeyman instructor.

43401

INTRODUCTION TO GRAPHIC ARTS TECHNOLOGY– Semester 1

½ Unit

FEE: \$10.00

Pre-requisites: None

(Grades 9-12)

Introduction to Graphic Arts prepares students through the development of skills in digital image preparation, press operation, and finishing operations in a laboratory setting. Mathematical skills are evaluated and reinforced as needed. This course is a pre-requisite to all other Graphic Arts Courses. (410301)

43401

INTRODUCTION TO GRAPHIC ARTS TECHNOLOGY– Semester 2

½ Unit

FEE: \$10.00

Pre-requisites: Graphic Arts Technology – Semester 1

(Grades 9-12)

Students continue to develop skills in digital image preparation, press operation, and finishing operations in a laboratory setting. After completion of this course, students will be able to apply skills learned in various areas of Graphic Arts technology. (410301)

43513

PRESS OPERATIONS – Semester 1

½ Unit

FEE: \$10.00

Pre-requisites: Graphic Arts Technology

(Grades 10-12)

This course offers practical experience in offset printing in the workplace. The training includes safe operation and maintenance of equipment, following instructions and specifications, press make-ready, and production of quality printed products. Students demonstrate problem solving skills and become proficient in related mathematics and chemistry. (410304)

43513

PRESS OPERATIONS – Semester 2

½ Unit

FEE: \$10.00

Pre-requisite: Press Operations – Semester 1

(Grades 10-12)

In this course, students acquire opportunities to apply skills in producing a variety of printed materials. Instruction in use and maintenance of equipment is taught, along with safety. After completion, students will be very knowledgeable in skills and related theory that apply to a career in Press Operations. (410304)

43515

FINISHING AND BINDING – Semester 1 ½ Unit **FEE: \$10.00**

Pre-requisites: Introduction To Graphic Arts Technology (Grades 10-12)
Finishing and Binding offers students training in post-press finishing and binding operations. Students learn safe operations of equipment and proper techniques in paper cutting, folding, perforating, stitching, binding, and drilling as well as the use of various finishing equipment. (410305)

53515

FINISHING AND BINDING – Semester 2 ½ Unit **FEE: \$10.00**

Pre-requisites: Finishing and Binding – Semester 1 (Grades 10-12)
Advanced skills in the use of finishing equipment are taught, along with problem solving related to finishing and binding. Techniques in folding, paper cutting, perforating stitching and binding are stressed. Mathematical skills are used to solve problems in many operations. (410305)

43518

DIGITAL IMAGE PREPARATION – Semester 1 ½ Unit **FEE: \$10.00**

Pre-requisites: Graphic Arts Technology (Grades 10-12)
This course provides opportunities in practical application of skills in desktop publishing, page layout and graphics. Upon completion, students are able to prepare layouts for newsletters and other opportunities. (410302)

43518

DIGITAL IMAGE PREPARATION – Semester 2 ½ Unit **FEE: \$10.00**

Pre-requisites: Digital Image Preparation – Semester 1 (Grades 10-12)
This course includes instruction in using the latest technology in Digital Image Preparations. Students learn to make movies, burn music to CD and DVD, and work with Digital Photography. Students are able to solve related problems using mathematical skills and become proficient in manipulation of text and graphics to meet standards of the graphic arts industry. Computers used in this class are the G4 Mac and eMac. The software used is iTunes, DVDi, iMovie, PageMaker, Freehand and other Adobe products.
(410302)

GRAPHIC ARTS EQUIPMENT UTILIZED IN THE PROGRAM:

This course uses both Macintosh and IBM compatible PC's. Programs such as Photo Shop 5.0, with Eye candy and Kai's Power Tools, Freehand 8, PageMaker, Illustrator, Streamline, and Type twister are extensively used. Scanners, printers, Xante Plate maker and Film Processor, 4-color and 6-color screen printing presses, A.B.Dick 385, A.B. Dick 9805 series offset press, digital camera, 35mm cameras and 4x4 box cameras are also utilized.

HEALTH SCIENCE

The Health Science program introduces students to the healthcare system and assists students in making realistic career decisions. The courses prepare students for acceptance in postsecondary healthcare education programs and/or employment in healthcare jobs. The Health Science program emphasizes the importance of project, service, and work-based learning experiences. These courses are designed to assist the student in acquiring knowledge and professional ethics essential to all healthcare learners and workers. Development of leadership skills is enhanced through student participation in Health Occupations of America (HOSA).

Selected seniors may take a self-directed study with teacher approval.

All students must earn one-half unit of Health to receive a diploma. These Career-Technical courses meet the requirements for a Health credit:

1. Family Wellness; or
2. Earning one (1) credit in Sports Medicine

42411

INTRODUCTION TO HEALTH CAREERS – Semester 1 ½ Unit FEE: \$5.00 (Kaleidoscope, Semester 1)

Pre-requisites: None

(Grades 9-12)

This one-semester course allows for exploration of health care careers, including sports medicine, emergency management, physical therapy, etc. Along with classroom theory, practice is given in basic health care skills including the assessment of blood pressure, pulse, temperature and respiration. Students are associate members of HOSA and, as such, are given opportunities to participate in competitions. (510100)

42412

COMMUNITY HEALTH – Semester 2 ½ Unit FEE: \$5.00 (Kaleidoscope, Semester 2)

Pre-requisites: None

(Grades 9-12)

This course is designed to allow students an opportunity to develop a basic understanding of personal health and the health of the community. Students will demonstrate skills in CPR and first aid. They examine community health issues such as: alcohol misuse and abuse, chronic and communicable diseases, and nutrition. They also explore such areas as dentistry, veterinary medicine and other health careers. (510101)

42512

SPORTS MEDICINE – Semester 1 ½ Unit FEE: \$10.00 (Clinical Spectrum-Academic Foundations, Semester 1)

Pre-requisites: None

(Grades 10-12)

Successful completion of both semester of this course meets the ½ unit health requirement for graduation.

This course provides students with the opportunity to become competent healthcare workers. Topics such as basic sports medicine techniques (taping, wrapping, etc.) are

included. Course content includes anatomy, physiology, medical terminology, legal aspects of patient/client care, and ethics as it relates to health science professionals. Students pay for liability insurance, nametags and dues for HOSA. CPR training is required for the Health credit. (510105)

42512

SPORTS MEDICINE – Semester 2 $\frac{1}{2}$ Unit **FEE: \$10.00**
(Clinical Spectrum-Academic Foundations, Semester 2)

Pre-requisites: Sports Medicine – Semester 1 (Grades 10-12)

This course involves the student employing principles of growth and development in accessing the health status of athletes. Students discover interests and abilities in sport-related medicine. Hands-on skills are acquired that relate to health issues concerning athletes as students work in healthcare teams and as they learn appropriate communications for addressing specific populations. Students pay for liability insurance, nametags and dues for HOSA. (510105)

42518

CLINICAL MAJORS – Semester 1 $\frac{1}{2}$ Unit **FEE: \$10.00**
(Clinical Spectrum-Advanced Academic Foundations, Semester 1)

Pre-requisites: Sports Medicine (Grades 10-12)

Students advance their ability to recognize injuries and provide first aid. Preventive care is practiced by assisting with techniques such as wrapping and taping. Students become knowledgeable concerning diseases and disorders, healthcare delivery systems, and healthcare teams. Students learn to monitor patient/client status, screenings, and patient/client interactions. Students pay for liability insurance, nametags and dues for HOSA. (510106)

42518

CLINICAL MAJORS – Semester 2 $\frac{1}{2}$ Unit **FEE: \$10.00**
(Clinical Spectrum-Advanced Academic Foundations, Semester 2)

Pre-requisites: Clinical Majors – Semester 1 (Grades 10-12)

This course is a continuation of Clinical Majors-Semester 1. Observational and listening skills, along with related documentation strategies, are practiced. Safe procedures for patient/client movement are taught. Students acquire skills related to data collection, treatment planning, implementation of procedures and patient/client evaluation. Students pay for liability insurance, nametags, and dues for HOSA. (510106)

42521

HEALTH SCIENCE INTERNSHIP – Semester 1 1 Unit **FEE: \$10.00**
(Health Science Continuum, Semester 1)
(Cooperative Education (Optional))

Pre-requisites: Sports Medicine or Clinical Majors or three credits (Grades 11- 12)
in Biology, Advanced Biology, Chemistry, or Physics

Students enroll in this two-hour class and participate in clinical assignments in a healthcare area, performing the following: entry-level healthcare skills; legal and ethical behaviors; and skills that exhibit knowledge of CPR. Students pay for liability insurance, nametags and dues for HOSA. (510130)

42521

**HEALTH SCIENCE INTERNSHIP – Semester 2 1 Unit
(Health Science Continuum, Semester 2)**

FEE: \$10.00

Pre-requisites: Health Science Internship – Semester 1

(Grade 12)

This two-hour course is a continuation of Health Science Internship-Semester 1. Students acquire advanced skills and knowledge by practicing healthcare skills in a clinical setting. Skill performance and legal/ethical awareness as they relate to the health science professions are stressed. Students pay for liability insurance, nametags, and dues for HOSA. (510130)

42529

HEALTH SCIENCE LAB ASSISTANT

No Credit

FEE: None

Pre-requisites: Approval by Instructor

(Grades 10-12)

A small group of specially selected students aid the Health Science Department in gathering materials, setting up laboratories, filing and inventorying supplies, and performing other duties as directed by the teacher. (990150)

HEALTH SCIENCE EQUIPMENT UTILIZED IN THIS PROGRAM:

Balanced scales, Scale that calculates body fat and weight, Whirlpool bath for extremity and whole body, Hospital bed, Physical therapy exercise table, Blood pressure cuffs, Computers with programs for sports medicine and medical terminology, Mannequins (CPR & whole body), and Treadmill.

CONSTRUCTION TECHNOLOGY

This program has been designed to fulfill the American Welding Society (AWS) Certification and general industry certification in construction and construction technologies. Content standards are designed to develop the total student in the areas of metal welding, brazing, cutting operations, blueprint reading, and electricity. Additional standards based on the Association of General Contractors (AGC) include essential elements of building construction, shop safety, material estimating and proper use of hand tools and power equipment. Students acquire basic skills in areas of construction, including welding, plumbing, and wiring.

46417

PRINCIPLES OF ENGINEERING I – Semester 1 ½ Unit FEE: \$15.00
(Principles of Engineering, Semester 1)

Pre-requisites: None

(Grades 9-12)

The Principles of Engineering Academy is an activity-based, competency driven program, designed to provide a broad base of experience in modern construction technologies and engineering. Through the use of applied mathematics and science concepts, a hands-on and flexible approach prepares students to take their place in the high-tech, highly competitive world of construction and engineering. The course systemically covers a wide range of mathematics and science concepts used in manufacturing, allowing students to build competencies and critical skills necessary in industrial careers. The course uses industrial-grade equipment and simulation control software in the following areas: Electrical Systems, Computer-aided Engraving and Milling, Robotics, AutoCAD, MasterCam, and Flexible Manufacturing Systems. (220101)

46417

PRINCIPLES OF ENGINEERING I - Semester 2 ½ Unit FEE: \$15.00
(Principles of Engineering, Semester 2)

Pre-requisites: Principles of Engineering I – Semester 1

(Grades 9-12)

A continuation of the hands-on and flexible approach to providing experiences in engineering and modern construction technologies is the hallmark of this semester. Through this project-based course, students systematically apply mathematics and science concepts to explore manufacturing topics, allowing them to build competencies and skills. (220101)

46517

PRINCIPLES OF ENGINEERING II – Semester 1 ½ Unit FEE: \$15.00
(Introduction to Engineering Design, Semester I)

Pre-requisites: Principles of Engineering I

(Grades 10-12)

This course is a continuation of Principles of Engineering I. The student continues to develop skills using a hands-on approach to modern construction. This course involves more hands-on equipment application. These applications will be used in direct relation to engineering design and construction. (220102)

This course is a continuation of Welding Technology II – Semester 1. The student continues to develop skills using oxy-acetylene cutting, shielded metal arc welding, metal inert gas welding, plasma arc cutting, and tungsten inert gas welding. The student develops the skills needed to successfully complete the American Welding Society certification exam. This course is ideal for those students planning a career in engineering, construction, and/or welding and pipefitting. (480802)

47601

WELDING TECHNOLOGY III – Semester 1 ½ Unit **FEE: \$15.00**
(Welding Technology Special Projects, Semester 1)

Pre-requisites: Welding Technology II (Grades 11-12)
Students taking this one-credit course are provided opportunities to plan, execute, and present results of individual or group projects related to welding. Emphasis is placed on safety, welding terminology, and the proper set-up and operation of welding equipment. Upon successful completion of this course, students are able to interpret welding symbols and blueprints as they apply to welding and fabrication. (480810)

47601

WELDING TECHNOLOGY III – Semester 2 ½ Unit **FEE: \$15.00**
(Welding Technology Special Projects, Semester 2)

Pre-requisites: Welding Technology III - Semester I (Grades 11-12)
This course is a continuation of Welding Technology III – Semester I. Students continue to develop skills and competencies in the operation of welding equipment. Project-based learning is the focus of this advanced course. (480810)

47523

CONSTRUCTION TECHNOLOGY I – Semester 1 1 Unit **FEE: \$15.00**
(Introduction to Carpentry-Basic Wiring, Semester 1)

Pre-requisites: None (Grades 10-12)
This is a two-hour course designed for the student who is already familiar with manufacturing processes. The student focuses on material processing machines, computer numerical controlled lathes and milling machines, plastic molding, foundry and castings, and sheet metal fabrication. Students learn fundamental processes through classroom instruction and apply those concepts in a hands-on manufacturing facility. One aspect of the course involves the study of economics through the formation of a corporation including: the sale of stock, the purchasing of needed materials, the development of a product design, the creation of an assembly line, quality control packaging and sales. (430201, 430301)

47523

CONSTRUCTION TECHNOLOGY I – Semester 2 1 Unit **FEE: \$15.00**
(Introduction to Carpentry-Basic Wiring, Semester 2)

Pre-requisites: Construction Technology I - Semester 1 (Grades 10-12)
This two-hour course is a continuation of Construction Technology – Semester 1. Students design projects in each of the construction areas as they study the construction industry. Upon completion of the rotation through all the construction areas, each student is required to design a project(s) which will require him/her to utilize three or more of the areas studied in the class. This course is ideal for those students planning a career in the engineering fields. (430201, 430301)

47621

CONSTRUCTION TECHNOLOGY II – Semester 1 1 Unit FEE: \$15.00

(Basic Carpentry-Construction, Semester 1)

Pre-requisites: Construction Technology I (Grades 11-12)

This two-hour course is a continuation of Construction Technology I. The student continues to focus on material processing, computer numerical control, plastic technology, foundry technology and sheet metal fabrication. Students develop deeper understandings of the modern construction process by applying classroom instruction of fundamental construction processes to hands-on projects in a state-of-the-art construction facility. One major aspect of the course involves the study of economics through the formation of a business partnership. Students form a corporation, design a product, produce it and sell the product as a class project. (430202, 430800)

47621

CONSTRUCTION TECHNOLOGY II – Semester 2 1 Unit FEE: \$15.00

(Basic Carpentry-Construction, Semester 2)

Pre-requisites: Construction Technology II – Semester 1 (Grades 11-12)

This two-hour course is a continuation of Construction Technology II – Semester 1. It is a project-based study of the construction industry. Students design projects utilizing multiple construction processes as they study the construction industry. This course is ideal for those students planning a career in an engineering/construction related field. (430202, 430800)

47509

CONSTRUCTION TECHNOLOGY LAB ASSISTANT No Credit FEE: None

Pre-requisites: Approval by Instructor (Grades 10-12)

A small group of specially selected students aid the Construction Technology Department in gathering materials, setting up laboratories, filing and inventorying supplies, and performing other duties as directed by the teacher. (990150)

CONSTRUCTION/WELDING EQUIPMENT UTILIZED IN THIS PROGRAM

Shielded Metal Arc Welder, Tungsten Inert Gas Welder, Metal Inert Gas Welder, Plasma Arc Cutting Machine, 65 Ton Ironworker, Sheet metal Shear, Sheet metal Box and Pan Brake, Drill Press, Metal Lathe, Scroll Saws, Compound Miter Saw, Electric Sanders, Skill Saws, Band Saw, Plastic Injection Molder, Plastic Rotational Molder, Plastic Vacuum Former, Foundry, Wood Planer, Router, Shaper, Table Saw, Square-wave TIG Machine, Invertec Stick Welding Machine, and assorted hand tools.

COMPUTER SCIENCE

14415

COMPUTER SCIENCE- Semester 1 ½ Unit **FEE: \$10.00**

Pre-requisites: Algebra B or Algebra I (CB) completed or in progress (Grades 9-12)
This course covers fundamental computer principles and provides students with a rigorous introduction to structured programming. (110201)

14415

COMPUTER SCIENCE-Semester 2 ½ Unit **FEE: \$10.00**

Pre-requisites: Computer Science –Semester 1 (Grades 9-12)
Students will further develop their programming skills. Emphasis is placed on techniques dealing with menus, string processing, sorting and searching, user-defined functions, data storage and file processing. (110201)

14543

ADVANCED PLACEMENT PROGRAMMING 1 Unit (1/2 per semester)
FEE: \$20.00

Pre-requisites: Computer Science, Algebra II (Grades 10-12)
This course includes a study of the JAVA Programming language in preparation for the Advanced Placement Test in Computer Science. (110201)

14511

INDEPENDENT STUDY WITH COMPUTERS 1 Unit (½ per semester)
FEE: \$20.00

Pre-requisites: Computer Science, Approval of Instructor (Grades 10-12)
The course is designed to provide opportunity for students to extend their abilities in programming. The course is relatively unstructured, leaving many areas open to investigation. (110201)

14609

COMPUTER PROGRAMMING ASSISTANT No Credit **FEE: None**

Pre-requisites: Approval of Instructor (Grades 11-12)
Assistants will be responsible for keeping an inventory of programs. They will write and modify programs for classrooms and administrative use. They will assist the teacher when necessary. (990150)

14418

COMPUTER APPLICATIONS

½ Unit

FEE: \$15.00

Pre-requisite: None

(Grades 9-12)

Each student's transcript must be stamped "computer literate" as a requirement for graduation. Successful completion of this one-semester course meets that requirement.
(110100)

FOREIGN LANGUAGES

12401

GERMAN I-Semester 1

½ Unit

FEE: None

Pre-requisites: None

(Grades 9-12)

German I introduces the student to the fundamentals of the German language and the cultures of German-speaking countries. The approach is multi-media, incorporating text, video, audio and work-book materials. Considerable emphasis is placed on cultural enrichment. (160513)

12401

GERMAN I-Semester 2

½ Unit

FEE: None

Pre-requisites: German I-Semester 1

(Grades 9-12)

The student continues to explore basic conversations and sentence patterns, learning to converse in German about such familiar topics as school, family and hobbies. Consideration is also give to travel-related vocabulary and survival skills. Guest speakers enhance and broaden the scope of lessons studied whenever possible. (160513)

12501

GERMAN II-Semester 1

½ Unit

FEE: None

Pre-requisites: German I

(Grades 10-12)

This course re-emphasizes basic elements studied in German I and continues to build vocabularies and knowledge of sentence structure. It also broadens the scope of conversational situations. (160514)

12501

GERMAN II-Semester 2

½ Unit

FEE: None

Pre-requisites: German II-Semester 1

(Grades 10-12)

Students continue the development of listening, speaking, reading and writing skills. Particular emphasis is placed on the German heritage in America and a sampling of work by famous German writers, composers and scientists. (160514)

12403

FRENCH I-Semester 1

½ Unit

FEE: None

Pre-requisites: None

(Grades 9-12)

Based on an oral approach, this course takes the student through the text-and-videotape course to become familiar with the French language, people and customs. It introduces the basic French sounds, alphabet and vocabulary, using conversational situations about school, clothes, colors, buildings and families. Connections are made to other subject areas, and comparisons are shown to the student's own language and culture. (160903)

12403

FRENCH I-Semester 2**½ Unit****FEE: None**

Pre-requisites: French I-Semester 1

(Grades 9-12)

Building on the concepts begun in French I-Semester 1 and adding more to them, the student becomes familiar with various grammatical structures such as subject-verb combinations and adjective-antecedent agreement. (160903)

12503**FRENCH II-Semester 1****½ Unit****FEE: None**

Pre-requisites: French I

(Grades 10-12)

This course emphasizes the studies begun in French I-Semesters 1 and 2, with more work on speaking and writing French. Emphasis is also placed on customs and culture of France and on other Francophone countries and areas. (160904)

12503**FRENCH II-Semester 2****½ Unit****FEE: None**

Pre-requisites: French II-Semester 1

(Grades 10-12)

Students are encouraged to participate in class discussions and to practice their vocabulary in conversational situations. More work is done in vocabulary building as well as in more advanced grammar and writing. (160904)

12603**FRENCH III-Semester 1****½ Unit****FEE: None**

Pre-requisites: French II

(Grades 11-12)

Emphasis is placed on the continued development of the four basic skills in language learning: reading, writing, speaking and listening. Increased emphasis is placed on the use of French for verbal communication. Emphasis is placed on the study of French history, art and poetry. (160905)

12603**FRENCH III-Semester 2****½ Unit****FEE: None**

Pre-requisites: French III-Semester 1

(Grades 11-12)

Additional emphasis is placed on improving awareness and understanding of cultural contrasts between American people and customs and the people and customs of French-speaking countries. Sharpening of skills in reading and writing in French is continued. Students may participate in an elementary school teaching experience. (160905)

12703 or 12743 (AP)**FRENCH IV-Semester 1****½ Unit****FEE: None**

Pre-requisites: French III

(Grade 12)

A survey of French literature is begun, including excerpts from masterpieces of well-known French authors. More use of written composition is employed: essays are written in and outside of class. Listening opportunities include radio broadcasts, TV

programs and full-length movies. Students may enroll for either regular or Advanced Placement credit. (160906, 160907)

12703 or 12743 (AP)

FRENCH IV-Semester 2

½ Unit

FEE: None

Pre-requisites: French IV-Semester 1

(Grade 12)

Advanced study continues with the student delving further into French masterpieces and becoming more skillful in the development of writing skills. Increased preparation for transition to college-level French courses includes intensive verb study and grammar review. Journal and creative writing are taught. (160906, 160907)

12405

LATIN I-Semester 1

½ Unit

FEE: None

Pre-requisites: None

(Grades 9-12)

This course introduces the student to the vocabulary and structure of the Latin language and includes word derivation to tie it to English. Students are introduced to aspects of Roman history and culture. (160920)

12405

LATIN I-Semester 2

½ Unit

FEE: None

Pre-requisites: Latin I-Semester 1

(Grades 9-12)

This course continues to build on vocabulary and structure begun in Latin I-Semester 1. More emphasis is placed on translations from Latin to English. Efforts are continued to show the relationships between Latin and English vocabularies. (160920)

12505

LATIN II-Semester 1

½ Unit

FEE: None

Pre-requisites: Latin I

(Grades 10-12)

More advanced grammatical principles are studied. Translations are done primarily from Latin to English. (160921)

12505

LATIN II-Semester 2

½ Unit

FEE: None

Pre-requisites: Latin II-Semester 1

(Grades 10-12)

Students continue their translations and their study of the culture and history of the Roman people. (160921)

12605

LATIN III PROSE –Semester 1**½ Unit****FEE: None**

Pre-requisites: Latin II

(Grades 11-12)

Students translate a variety of Latin authors and study aspects of Roman history and civilization. They may also participate in a short elementary school teaching experience. (160922, 160924)

12605**LATIN III PROSE – Semester 2****½ Unit****FEE: None**

Pre-requisites: Latin III-Semester 1

(Grades 11-12)

A continuation of the study begun in Latin III Prose-Semester 1 constitutes the basis of this course. Students may also participate in a short elementary school teaching. (160922, 160924)

12705 or 12745 (AP)**LATIN IV POETRY-Semester 1****½ Unit****FEE: None**

Pre-requisites: Latin III Prose

(Grades 11-12)

Students may enroll in this course for either regular or Advanced Placement credit. The primary focus of this course is the translation of Vergil's Aeneid. In addition, students will study aspects of Roman civilization as well as Vergil's life and writing style. The course also includes analyzing Roman poetry, with emphasis on scansion and figures of speech. (160923, 160924)

12705 or 12745 (AP)**LATIN IV POETRY –Semester 2****½ Unit****FEE: None**

Pre-requisites: Latin IV Poetry-Semester 1

(Grades 11-12)

This course is a continuation of the study begun in Latin IV POETRY –Semester 1. It might include some Latin composition and a sampling of other Roman poets for enrichment. Students enrolled for regular credit may also participate in a short elementary school teaching experience. (160923, 160924)

12407**SPANISH I –Semester 1****½ Unit****FEE: None**

Pre-requisites: None

(Grades 9-12)

Spanish I-A is an introductory course in the language and customs of Spanish-speaking nations. Using oral methods the student learns to speak, read and listen. Simple vocabulary and situations strengthen memory lessons learned from test, tape and workbooks. (160933)

12407

SPANISH I-Semester 2**½ Unit****FEE: None**

Pre-requisites: Spanish I-Semester 1

(Grades 9-12)

More vocabulary is added to the words and expressions already learned. Verb usage is added, and the student begins to experiment with more realistic situations in which to use Spanish. (160933)

12511**SPANISH II-Semester 1****½ Unit****FEE: None**

Pre-requisites: Spanish I

(Grades 9-12)

Speaking Spanish is encouraged in this course as the student becomes more advanced in the handling of the language, workbooks, newspapers, tapes (audio and video), filmstrips, and Spanish-speaking citizens add great variety to the course. (160934)

12511**SPANISH II-Semester 2****½ Unit****FEE: None**

Pre-requisites: Spanish II-Semester 1

(Grades 9-12)

Speaking Spanish as exclusively as possible is encouraged in this course as the student becomes more advanced in the handling of the language, workbooks, newspapers, tapes (audio and video), filmstrips, and Spanish-speaking citizens add great variety to the course. (160934)

12607**SPANISH III-Semester 1****½ Unit****FEE: None**

Pre-requisites: Spanish II

(Grades 10-12)

This course gives the student a more direct view of Spain and Latin America geographically, historically and culturally. Advanced grammar is continued. Reading comprehension is strengthened through a variety of authentic texts. (160935)

12607**SPANISH III-Semester 2****½ Unit****FEE: None**

Pre-requisites: Spanish III-Semester 1

(Grades 11-12)

Looking more intently at the geography, history and culture of Spanish-speaking countries, this course encourages the student to use his Spanish-language ability in both formal and informal ways in the classroom. Students may participate in a 6-8 weeks' elementary school teaching experience. (160935)

12707 or 12747 (AP)**SPANISH IV-Semester 1****½ Unit****FEE: None**

Pre-requisites: Spanish III

(Grade 12)

Spanish is the primary language of the classroom, with students giving short talks and writing short essays in the language. Vocabulary building and advanced grammar are emphasized. Reading extended pieces in Spanish is encouraged. Students may enroll

for either regular or Advanced Placement credit. AP students are encouraged to take the AP examination. (160936, 160937)

12707 or 12747 (AP)

SPANISH IV-Semester 2

½ Unit

FEE: None

Pre-requisites: Spanish IV-Semester 1

(Grade 12)

Spanish language usage is increased with reading and films. Grammar review is extensive in order to prepare students for college entrance tests. Students may participate in a 6-8 weeks' elementary school teaching experience. Students may enroll for either regular or Advanced Placement credit. AP students are encouraged to take the AP examination. (160936, 160937)

JOURNALISM

11504

JOURNALISM-Semester 1

½ Unit

FEE: \$5.00

Pre-requisites: "C" Average in English (Grades 10-12)
An introduction to the field of journalism, this course focuses primarily on print journalism. The major emphasis is on writing for publication in the mass media. Students will assist with yearbook sales. (090411)

11504

JOURNALISM-Semester 2

½ Unit

FEE: \$5.00

Pre-requisites: Journalism-Semester 1 (Grades 10-12)
Building upon the skills developed in the first semester, the student continues to write on a wide variety of topics in the styles appropriate for the field of journalism. Aspects of yearbook and newspaper production are also covered. Students will assist with yearbook sales. (090411)

11418

YEARBOOK-Semester 1

½ Unit

FEE: \$5.00

Pre-requisites: Keyboarding skills recommended and Teacher Approval (Grades 9-12)
Students produce the yearbook. They are given practice in all aspects of the production process, including such things as writing copy, designing the cover and the page layouts, and developing a theme and its related content. Students are responsible for designing and selling advertisements as well as for assisting with yearbook sales. (090441)

11418

YEARBOOK-Semester 2

½ Unit

FEE: \$5.00

Pre-requisites: Yearbook-Semester 1 and Teacher Approval (Grades 9-12)
As students continue the process of producing the yearbook, they learn such skills as selecting and cropping photographs, selling and designing advertisements, and using the computer to complete it. Learning to meet deadlines is also a valuable part of this course. Students are responsible for designing and selling advertisements as well as for assisting with yearbook sales. (090441)

11509

YEARBOOK ASSISTANT

No Credit

FEE: None

Pre-requisites: Approval by Instructor (Grades 10-12)
A small group of specially selected students will aid the Yearbook Department in gathering materials, filing and inventorying supplies, setting up laboratories and performing other duties as directed by the teacher. (990150)

LANGUAGE ARTS

The Language Arts curriculum in grades 9-12 includes the five strands of communication: Reading, Writing, Speaking, Listening and Viewing. The standards from the Alabama Course of Study for the Language Arts are carefully followed in each grade.

Three sequences are available for students, based on their choice of either an Academic or an Advanced Academic diploma.

1. Sequence 1 (Academic):
General English, grades 9-12
2. Sequence 2 (Advanced Academic):
English CB, grades 9-12
3. Sequence 3 (Advanced Academic):
English AP Preparatory, grades 9 and 10
English AP, grades 11 and 12

Read carefully through the Language Arts and Journalism sections to learn about the variety of elective courses available such as Creative Writing, Journalism, Drama and Yearbook.

11411

CREATIVE WRITING –Semester 1 ½ Unit **FEE: None**

Pre-requisites: None (Grades 9 - 12)
Students are encouraged to express themselves creatively by writing short stories, essays, poetry and one-act plays. Students may also create artwork, photography, music, and computer graphics for use in the literary-arts magazine. Students will have multiple opportunities to write for scholarships and prize money. Field trips, workshops, guest speakers, and writing festivals are an important part of the class. (230511)

11411

CREATIVE WRITING –Semester 2 ½ Unit **FEE: None**

Pre-requisites: Creative Writing -Semester 1 (Grades 9- 12)
This course is a continuation of semester one. As students become more comfortable with the production of the various forms of writing, they begin to sharpen their skills and to exhibit maturity in their writing. (230511)

11505**ADVANCED CREATIVE WRITING –Semester 1 ½ Unit****FEE: None**

Pre-requisites: Creative Writing Semester 1 (Grades 10-12)
 Advanced students continue to participate in all creative writing activities. In addition, advanced students are responsible for the content selection, layout, and publication of the literary-arts magazine. Students also sell patron subscriptions and delivery of the magazine. (230511)

11505**ADVANCED CREATIVE WRITING –Semester 2½ Unit****FEE: None**

Pre-requisites: Advanced Creative Writing –Semester 1 (Grades 10-12)
 This course is a continuation of semester one. Typically, students in this course enter all kinds of writing contests and win many of them. They read good examples of writing and learn from them as they stretch themselves as writers. (230511)

11609**LITERARY PUBLICATIONS ASSISTANT****No Credit****FEE: None**

Pre-requisite: Creative Writing, Teacher Approval (Grades 10-12)
 A small group of specially selected students aid the Literary Publications Department in gathering materials, filing and inventorying supplies, setting up laboratories and performing other duties as directed by the teacher. (990150)

11413**DRAMA I-Semester 1****½ Unit****FEE: \$5.00**

Pre-requisites: None (Grades 9-12)
 An introduction to theatre, this course includes the study of plays, make-up and costume, technical areas of production, acting, film study and voice and diction. Emphasis is on developing interest in drama and on how theater skills can be translated into everyday living skills. (500520)

11413**DRAMA I-Semester 2****½ Unit****FEE: \$5.00**

Pre-requisites: Drama I-Semester 1 (Grades 9-12)
 A continuation of the topics begun in the first semester, this course goes into greater detail and builds further on the development of student interest in drama. (500520)

11507**DRAMA II-Semester 1****½ Unit****FEE: \$5.00**

Pre-requisites: Drama I (Grades 10 - 12)
 This course provides the motivated drama student the opportunity to develop further the talents and techniques needed for a variety of stage performances (e.g., solo and duet acting and literary interpretation). Individual instruction is given in the areas of

vocal training, stage movement, characterizations and timing for the stage and film. This is a performance-oriented course. (500520)

11507

DRAMA II-Semester 1

½ Unit

FEE: \$5.00

Pre-requisites: Drama II-Semester 1 (Grades 10 - 12)
Concentrating on in-depth performance, this is a laboratory course with emphasis on performing before an audience. Students formulate talents for major production work as well as for district and state competition. (500520)

11607

DRAMA III-Semester 1

½ Unit

FEE: \$5.00

Pre-requisites: Drama II (Grades 11-12)
This is a concentrated laboratory for rehearsal and performance of plays. Emphasis is on major production work as well as on district and state drama competition. (500520)

11607

DRAMA III-Semester 2

½ Unit

FEE: \$5.00

Pre-requisites: Drama III-Semester 1 (Grades 11-12)
A continuation of III-Semester 1, this course also includes opportunities for students to experience various area of individual interest (e.g., stage management, film projects, directing, acting). Actual performance continues to be its emphasis. (500520)

11707

DRAMA IV-Semester 1

½ Unit

FEE: \$5.00

Pre-requisites: Drama III (Grade 12)
While it is a continuation of Drama III, in this course students specialize in areas of interest. Heavy emphasis is placed on district and state competition in the various categories (e.g., literary interpretation, solo acting, duet acting, improvisation, film projects). (500520)

11707

DRAMA IV-Semester 2

½ Unit

FEE: \$5.00

Pre-requisites: Drama IV-Semester 1 (Grade 12)
Rehearsals and performances of plays, with students having hands-on experiences in such aspects as acting and directing, mark this course. Students wishing to further their theatre education in college will prepare for possible scholarships. (500520)

11515

SPEECH-Semester 1

½ Unit

FEE: None

Pre-requisites: None

(Grades 10-12)

Persuasive, informative, extemporaneous and demonstrative speeches are all studied. Students enrolled in this course may have opportunities to compete in district, state and national contests. Debating skills are also developed. (231021)

11515

SPEECH- Semester 2

½ Unit

FEE: None

Pre-requisites: Speech-Semester 1

(Grades 10-12)

Persuasive, informative, extemporaneous and demonstrative speeches are all studied. Students enrolled in this course may have opportunities to compete in district, state and national contests. Debating skills are also developed. (231021)

11441

AP PREPARATORY ENGLISH 9-Semester 1

½ Unit

FEE: None

Pre-requisites: Recommendation by 8th grade English teacher

(Grade 9)

Designed to challenge the advanced student, this course focuses on the following: intensive grammar study; the short story; the novel; mythology; vocabulary; critical viewing; critical listening; oral language; the research process; narrative, expository, persuasive, creative, and analytical writing; and précis writing. (230102)

11441

AP PREPARATORY ENGLISH 9-Semester 2

½ Unit

FEE: None

Pre-requisites: AP Preparatory English 9-Semester 1

(Grade 9)

A continuation of AP Preparatory English 9-Semester 1, this course focuses on the following: grammar study; poetry; non-fiction; drama; the novel; vocabulary; critical viewing; critical listening; oral language; the research paper; narrative, expository, argumentative, creative, and analytical writing. (230102)

11541

AP PREPARATORY ENGLISH 10-Semester 1

½ Unit

FEE: None

Pre-requisites: Recommendation by 9th grade English teacher

(Grade 10)

Designed to prepare the serious English student for entry into eleventh grade Advanced Placement English, this course offers an in-depth approach to selected works of literature and to writing skills. It focuses on: vocabulary; language usage; writing (expository, narrative, persuasive, analytical); oral activities and critical listening and viewing. (230102)

11541

AP PREPARATORY ENGLISH 10-Semester 2 ½ Unit FEE: None

Pre-requisites: AP Preparatory English 10-Semester 1 (Grade 10)
This course continues the studies begun in AP Preparatory English 10-Semester 1. It focuses on the following: vocabulary; poetry; the play; writing; research; listening and viewing. Students write primarily about literature. (230102)

11641

ADVANCED PLACEMENT ENGLISH 11-Semester 1 ½ Unit FEE: None
(Language and Composition)

Pre-requisites: English 10CB or AP Prep English 10 (Grade 11)
This course, part of the college-level instructional program, is designed for a select group of juniors whose standardized tests scores and grades indicate their ability to handle the challenging material. It focuses on the analytical study of American prose. (230104)

11641

ADVANCED PLACEMENT ENGLISH 11-Semester 2 ½ Unit FEE: None
(Language and Composition)

Pre-requisites: AP English 11-Semester 1 (Grade 11)
A continuation of AP English 1-Semester 1, this course emphasizes reading literary selections and reacting to them in written form. Students are encouraged to take the Advanced Placement Examination in English Language and Composition in the spring. (230104)

11741

ADVANCED PLACEMENT ENGLISH 12-Semester 1 ½ Unit FEE: None
(Literature and Composition)

Pre-requisites: English 11CB or AP English 11 (Grade 12)
Designed for academically talented students, this course focuses on world literature (especially novels and drama) and on learning to write literary criticism based on that literature. It offers a select group of seniors the opportunity to experience college-level work, using college-level textbooks. (230104)

11741

ADVANCED PLACEMENT ENGLISH 12-Semester 2 ½ Unit FEE: None
(Literature and Composition)

Pre-requisites: AP English 12-Semester 1 (Grade 12)
As this course for advanced students continues from AP English 12-Semester 1, students perfect critical reading and writing skills and take the Advanced Placement Examination in English Literature and Composition in the spring. (230104)

11401 (G) & 11403 (CB)
ENGLISH 9-Semester 1

½ Unit

FEE: None

Pre-requisites: None

Based on a study of world literature, this course integrates all phases of language study. Grammar, mechanics and writing are addressed primarily through writing and reading, as well as through focused study. Listening, speaking and viewing are also related directly to the reading and writing experiences. The narrative, expository, descriptive and persuasive modes of writing are practiced. Vocabulary building and research skills are included. (230103, 230102)

11401 (G) & 11403 (CB)
ENGLISH 9-Semester 2

½ Unit

FEE: None

Pre-requisites: English 9-Semester 1

Continuing the study of world literature begun in the first semester, this course extends and expands the skills involved in an integrated English course: speaking, listening, reading, writing, viewing, grammar and mechanics. Paragraph and essay organization are stressed as part of the writing process. The narrative, expository, descriptive and persuasive modes of writing are practiced in preparation for the Direct Assessment of Writing. Vocabulary building and research skills are included. (230103, 230102)

11501 (G) & 11503 (CB)
ENGLISH 10-Semester 1

½ Unit

FEE: None

Pre-requisites: English 9

Focusing on American Literature from the Colonial period to 1900, tenth grade English focuses on the integration of listening, speaking, reading, writing and viewing. Vocabulary building and research skills are included. Objectives included in the AHSGE are extensively reviewed. (230103, 230102)

11501 (G) & 11503 (CB)
ENGLISH 10-Semester 2

½ Unit

FEE: None

Pre-requisites: English 10-Semester 1

Building upon the progression of skills and concepts covered in the first semester, this course assists the student in seeing the relationships among all five aspects of language usage. Vocabulary building and research skills are included. Objectives included in the AHSGE are extensively reviewed. (230103, 230102)

11601 (G) & 11603 (CB)
ENGLISH 11-Semester 1

½ Unit

FEE: None

Pre-requisites: English 10

In this course students read from American literature since 1900 while writing and discussing responses to ideas, characters and styles. They read novels, biographies, short stories, plays, poetry and non-fiction as bases for skill-building. (230103, 230102)

11601 (G) & 11603 (CB)
ENGLISH 11-Semester 2

½ Unit

FEE: None

Pre-requisites: English 11-Semester 1

Extending the knowledge and skills learned in the first semester, students in this course are actively involved in practices that link the language strands of listening, speaking, reading, writing and viewing. (230103, 230102)

11701 (G) & 11703 (CB)
ENGLISH 12-Semester 1

½ Unit

FEE: None

Pre-requisites: English 11

Through a survey of world literature, with emphasis on British literature, students become more proficient in communication skills. Revising for clarity and effectiveness is a major goal, as well as editing for accepted conventions of the language. (230103, 230102)

11701 (G) & 11703 (CB)
ENGLISH 12-Semester 2

1/2 Unit

FEE: None

Pre-requisites: English 12-Semester 1

Bringing together the range of language skills learned throughout the grades, students in this course engage in critical listening, speaking, reading, writing and viewing activities to further develop their thinking and problem-solving abilities. (230103, 230102)

21407, 21507, 21607, 21707

EMPLOYMENT ENGLISH I, II, III, IV 1 Unit (½ per Semester) FEE: None

Pre-requisites: Employment English III

This course provides instruction which meets the functional content standards necessary for achieving competency in reading, writing and language usage in the workplace and in the community. (652101, 652102, 652103, 652204)

21405, 21505, 21605, 21705

COMMUNICATION SKILLS I, II, III, IV 1 Unit (1/2 per semester) FEE:None

Pre-requisites: None for certificate English I

This course provides instruction which meets the functional content standards necessary for achieving competence in reading, writing and language usage in the workplace and in the community. It meets the requirements of students working toward a Certificate of Attendance. (All 651603)

MATHEMATICS

The emphasis of the Grades 9-12 mathematics program is mathematical understanding and problem solving. To this end, a variety of courses is offered to provide for the needs of students. Care has been taken to incorporate Mathematics Course of Study objectives and standards from the Curriculum and Evaluation Standards for School Mathematics. Four mathematics credits are required for graduation. As part of the four credits, students must successfully complete content in the Algebra I and geometry course categories.

To have Advanced Academic Endorsement, students must earn four units of mathematics which include Algebra I, Geometry, and Algebra II with Trigonometry.

Two sequences have been designed to meet the required state course of study in mathematics and to enhance the individual abilities of each student. Sequences are not static; students may move from one to another.

- (1) In Sequence 1 (ACADEMIC) basic algebra and basic geometry are presented at a pace which allows the student to experience success and to acquire the mathematical power necessary for a productive life.

Algebra I A

Algebra I B

Geometry Concepts

Algebraic Connections or Algebra II Without Trigonometry

- (2) Sequence 2 (Advanced/Honors Endorsement) is recommended for students with the background and ability to enter a college-preparatory program. Completion of this sequence will provide the necessary pre-requisites for college mathematics.

ADVANCED

Algebra I

Geometry

Algebraic Connections

Algebra II with Trigonometry

Or

Geometry

Algebraic Connections

Algebra II with Trigonometry

Algebra III / Statistics

Or

Geometry

Algebra II with Trigonometry and/or Algebraic Connections

Algebra III / Statistics

Pre-Calculus With Trigonometry or AP Statistics

HONORS (for those students who can handle mathematics at an accelerated pace)

Honors Geometry

Honors Alg. II w/Trigonometry

Honors Pre-Calculus

Cal. AB or BC or AP Statistics

NOTE: Algebraic Connections may precede, follow or be taken simultaneously with Algebra II With Trigonometry in the Advanced Academic track or Algebra II Without Trigonometry in the Academic track.

24413, 24513

ESSENTIAL MATHEMATICS I, II **1 Unit (1/2 per Semester) FEE: None**

Pre-requisites: None (Grades 9-10)
The content of this course addresses the learning style of each student. Pupils use hands-on materials, manipulatives and other resources to assist in their achievement of skills. Instruction focuses on integrating problems into real-life applications. (653211, 653212)

24613, 24713

ALGEBRAIC EXPLORATIONS I, II **1 Unit (1/2 per Semester) FEE: None**

Pre-requisites: Essential Mathematics II (Grades 11-12)
Students who have mastered essential mathematics skills are now ready to move into Algebra and Geometry. Emphasis is on basic operations involving integers, numerical expressions, algebraic expressions, angle measurement, measurement of circles and the surface area of rectangular solids. (653213, 653214)

24405, 24505, 24605, 24705

COMPUTATION SKILLS I, II, III, IV **1 Unit (1/2 per Semester) FEE: None**

Pre-requisites: None (Grades 9-12)
This course engages the student in acquiring functional mathematics concepts and skills needed for successful employment and independent living. It meets the requirements of students working toward a Certificate of Attendance. (All 651604)

14413

ALGEBRA I A – Semester 1 **1/2 Unit** **FEE: None**

Pre-requisites: None (Grades 9 - 12)
This course is a formal, in-depth study of algebraic concepts and the real number system, designed at a pace consistent with successful mastery of those concepts. (Not for the Advanced Academic Diploma track) (270220)

14413

ALGEBRA I A – Semester 2 **1/2 Unit** **FEE: None**

Pre-requisites: Algebra I A – Semester 1 (Grades 9 - 12)
This course continues the presentation of algebraic concepts begun in Algebra I A. By the conclusion of this course, students will have been introduced to material consistent with at least the first semester of Algebra I. (CB) (Not for the Advanced Academic Diploma track) (270220)

14507

ALGEBRA I B – Semester 1

1/2 Unit

FEE: None

Pre-requisites: Algebra I A – Semesters 1 and 2 (Grades 10 - 12)
This course continues the presentation of algebraic concepts begun in Algebra I A. The course will begin with material usually presented in the second semester of Algebra I, including factoring, polynomials, rational expressions, linear equations, and systems of linear equations. (Not for the Advanced Academic Diploma track.) (270230)

14507

ALGEBRA I B – Semester 2

1/2 Unit

FEE: None

Pre-requisites: Algebra I B – Semester 1 (Grades 10 - 12)
This course continues the presentation of algebraic concepts begun in Algebra I B-Semester 1. At the conclusion of Algebra I B-Semester 2, students will have completed the study of topics presented in Algebra I CB consistent with the state course of study, including functions, radicals, and quadratic equations. (Not for the Advanced Academic Diploma track) (270230)

14411

ALGEBRA I CB- Semester 1

1/2 Unit

FEE: None

Pre-requisites: Teacher recommendation (Grades 9-12)
This course is a formal, in-depth study of algebraic concepts and the real number system to be presented in one year. Presentation will include concepts such as simplifying expressions, solving equations and inequalities, graphing, mathematical modeling, data collection and problem solving. This is a college-bound course. (270404)

14411

ALGEBRA I CB-Semester 2

1/2 Unit

FEE: None

Pre-requisites: Algebra I-Semester 1 (Grade 9-12)
This course is a continuation of Algebra I CB-Semester 1 and will complete the study of Algebra I CB concepts in the state course of study. This is a college-bound course. (270404)

14601

GEOMETRY CONCEPTS –Semester 1 1/2 Unit

FEE: None

Pre-requisites: Algebra I B or Algebra I (CB) (Grades 11 - 12)
This course provides experiences that increase students' understanding of shapes and their properties by using an investigative and application-oriented format. This course does not satisfy geometry requirements for the Advanced Academic Endorsement Diploma. (270280)

14601

GEOMETRY CONCEPTS –Semester 2 1/2 Unit

FEE: None

Pre-requisites: Geometry Concepts –Semester 1 (Grades 11 - 12)
This course is a continuation of Geometry Concepts-Semester 1 and emphasizes those concepts required by the new course of study for geometry. (270280)

14605

ALGEBRAIC CONNECTIONS – Semester 1 1/2 Unit

FEE: None

Pre-requisites: Geometry Concepts or Algebra I B or Algebra I (CB) (Grades 11 - 12)
This course includes topics from many real-life areas in which mathematics is applied such as science, business, economics, medicine, statistics, and consumerism. It places these topics in an algebra-based setting. (270403)

14605

ALGEBRAIC CONNECTIONS –Semester 2 1/2 Unit

FEE: None

Pre-requisites: Algebraic Connections –Semester 1 (Grades 11-12)
This second semester course continues the exploration of topics required in the course of study and begun in the first semester. The course is heavily based on algebraic concepts. (270403)

14417

GEOMETRY (CB) –Semester 1 ½ Unit

FEE: None

Pre-requisites: Algebra I CB (Grades 9 - 12)
Exploratory development of concepts, properties, and relationships of two-and three-dimensional figures and developing an understanding of axiomatic systems are integral parts of this course. (270408)

14417

GEOMETRY (CB)–Semester 2 ½ Unit

FEE: None

Pre-requisites: Geometry –Semester 1 (Grades 9 - 12)
This course continues to build on the concepts studied in Geometry –Semester 1 to meet requirements of the state course of study. (270408)

14443

HONORS GEOMETRY–Semester 1 ½ Unit

FEE: None

Pre-requisites: Algebra I (85 average) (Grades 9-12)

A rigorous course, this class emphasizes higher order thinking skills by deducing properties of and relationships between figures from given assumptions as well as by exploring concepts related to two-and three-dimensional figures. Extensive integration of algebra in problem solving requires a strong algebra background for this course. Topics include logic, proof, parallel lines, congruent triangles, quadrilaterals, regular polygons, and geometric transformations. (270408)

14443

HONORS GEOMETRY –Semester 2 1/2 Unit FEE: None

Pre-requisites: Honors Geometry –Semester 1 (Grades 9 - 12)
This class continues and builds on the concepts studied in Honors Geometry – Semester 1. Topics include similarity, area, volume, right triangles and their characteristics, and locus of points in two and three dimensions. (270408)

14513

ALGEBRA II WITHOUT TRIGONOMETRY-Semester 1 ½ Unit FEE: None

Pre-requisites: Algebra I B (Grades 10-12)
Although this course does not fulfill requirements for the Advanced Academic Diploma, it contains all concepts (except Trigonometry) that are found in Algebra II with Trigonometry. (270405)

14513

ALGEBRA II WITHOUT TRIGONOMETRY – Semester 2 ½ Unit FEE: None

Pre-requisites: Algebra II without Trigonometry-Semester 1 (Grades 10-12)
Building on the foundation started in the first semester, this course includes the algebraic concepts necessary for success in higher-level mathematics courses. (270405)

14505

ALGEBRA II WITH TRIGONOMETRY –Semester 1 1/2 Unit FEE: None

Pre-requisites: Algebra I CB (Grades 10 - 12)
This course provides a more in-depth treatment of algebraic concepts presented in Algebra I CB while introducing several higher level topics. Trigonometric concepts are presented, and problem solving is integrated into all topics of this course. (270320)

14505

ALGEBRA II WITH TRIGONOMETRY –Semester 2 1/2 Unit FEE: None

Pre-requisites: Algebra II with Trigonometry Semester 1 (Grades 10 - 12)
This course continues to build on the concepts studied in Algebra II with Trigonometry Semester 1. (270320)

14541

HONORS ALGEBRA II WITH TRIGONOMETRY –Semester 1 1/2 Unit

FEE: None

Pre-requisites: Honors Geometry or Geometry (A Average) (Grades 10 - 12)
This course is a rigorous and higher order thinking skill presentation of algebraic and trigonometric concepts with problem solving emphasis. (270320)

14541

HONORS ALGEBRA II WITH TRIGONOMETRY –Semester 2 **1/2 Unit**
FEE: None

Pre-requisites: Honors Algebra II with Trigonometry –Semester 1 (Grades 10 - 12)
This course builds upon and continues the content studied in Honors Algebra II with Trigonometry –Semester 1. (270320)

14647

AP STATISTICS –Semester 1 **½ Unit** **FEE: None**

Pre-requisites: “B” average in Algebra II; Teacher/Principal Approval for AP
(Grades 11-12)

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Four broad themes are included: exploring data, planning a study, anticipating patterns and inferring results. (270425)

14647

AP STATISTICS –Semester 2 **½ Unit** **FEE: None**

Pre-requisites: Statistics – Semester 1 (Grades 11-12)
These topics are covered in this course: planning and conducting surveys and experiments; producing models; probability and simulation; inferring statistical results using confidence intervals, tests of significance and special cases of normally distributed data. (270425)

14603

ALGEBRA III – Semester 1 **½ Unit** **FEE: None**

Pre-requisites: “C” average in Algebra II With Trigonometry (Grades 11-12)
This course includes the following topics: system of equations and inequalities; matrices and determinants; radical, rational, polynomial and trigonometric functions and their graphs. A survey of statistics is begun, introducing data analysis with measures of center and spread and graphical representation. (270412)

14607

STATISTICS-Semester 2 **1/2 Unit** **FEE: None**

Pre-requisites: Algebra II With Trigonometry (Grades 11-12)

In this course, pupils study collecting, organizing and analyzing data; probability and basic inference. (270412)

14611

PRE-CALCULUS WITH TRIGONOMETRY-Semester 1 ½ Unit FEE: None

Pre-requisites: Algebra II With Trigonometry (Grades 11-12)
Functions, theory of equations, limits and polar functions are among the topics studied in this course. Graphing and problem solving are important components also. (270350)

14611

PRE-CALCULUS WITH TRIGONOMETRY-Semester 2 ½ Unit FEE: None

Pre-requisites: Pre-Calculus With Trigonometry-Semester 1 (Grades 11-12)
Continuing the pace set in the first semester, this course includes the trigonometric functions necessary to establish the base for the future study of Calculus. (270350)

14641

HONORS PRE-CALCULUS –Semester 1 1/2 Unit FEE: None

Pre-requisites: “C” average in Honors Algebra II with Trigonometry (Grades 11- 12)
Reasoning skills and connections among topics are emphasized in this course. Functions, theory of equations, limits, polar functions, and probability and statistics are among topics covered. Graphing and problem solving are vital to understanding in this course. (270350)

14641HONORS PRE-CALCULUS -Semester 2 1/2 Unit FEE: None

Pre-requisites: “C” average in Honors Pre-Calculus Semester 1 (Grades 11 - 12)
Topics continue from first semester pre-calculus with extensive use of the graphing calculator. Topics covered include: sequences and series, graph theory and discrete mathematics, limits, derivatives, and integrals. **SPECIAL NOTE:** Students completing this course may take either Calculus AB or BC depending upon their achievement level and the demand. (270350)

14741

AP CALCULUS AB –Semester 1 1/2 Unit FEE: None

Pre-requisites: Teacher/Principal Approval (Grade 12)
In this course topics include: review and extension of limits, the derivative and integral. There is also a continued study of elementary differential and integral calculus. Applications of the derivative and the integral are studied. It is an Advanced Placement course. (270420)

14741

AP CALCULUS AB –Semester 2 1/2 Unit FEE: None

Pre-requisites: "C" average in Calculus AB- Semester 1 (Grade 12)
Topics studied this semester include applications of the integral articular area and volume and length of arc. Derivatives and integrals involving trigonometric functions and their inverses, integration by parts, derivatives and integrals involving natural logarithmic and natural exponential functions, hyperbolic functions, and La Hospital's rule are all included. Completion of this course and satisfactory performance on the AP examination will allow the student to enter second semester Calculus in college. (270420)

14743

AP CALCULUS BC –Semester 1

1/2 Unit

FEE: None

Pre-requisites: Teacher/Principal Approval (Grade 12)
Studied during this semester are all of the topics listed above for both semesters of Calculus AB. It is an Advanced Placement course. (270420)

14743

AP CALCULUS BC –Semester 2

1/2 Unit

FEE: None

Pre-requisites: "C" average in Calculus BC –Semester 1 (Grade 12)
These advanced mathematical topics are included in this course: sequences and series; differential equations, advanced techniques of integration; improper integrals; Taylor's Polynomials and McLaurin Series; polar coordinates and vectors; and conic sections. Completion of this course and satisfactory performance on the AP examination will allow the student to enter third semester Calculus in college. (270420)

MILITARY SCIENCE
JUNIOR RESERVE OFFICER TRAINING CORPS (JROTC)

37415

Junior ROTC (JROTC), Level I – Semester 1 ½ Unit **FEE: None**

Pre-requisites: None (Grades 9-12)
This course introduces students to the US Army Reserve Officer Training Corps (ROTC) program. Topics covered during the first semester include the history of the Army and Junior ROTC; military traditions, customs and courtesies; JROTC uniform wear and personal appearance; the JROTC and Army rank structure; leadership skills, leadership theory, and practical application of leadership; development of logic and planning skills using thinking maps; Army drill and ceremony; marksmanship training and practice; and development of listening, test-taking and study skills. Students participate in physical fitness activities once a week and in JROTC fundraising and service projects. They also have the opportunity to participate on rifle, drill and physical fitness teams that compete against other JROTC programs. Uniforms and footwear are issued free of charge but are returned at the completion of the semester. (280311)

37415

Junior ROTC (JROTC), Level I – Semester 2 ½ Unit **FEE: None**

Pre-requisites: JROTC Level 1, semester 1 (May be waived by instructor) (Grades 9-12)
Students continue to develop leadership skills through classroom instruction and hands-on projects that require the use of those skills; they participate in self-awareness exercises and learn to appreciate diversity through discussing their own and other students' personality types. They use this knowledge to become better leaders and build better teams while also learning techniques to improve their reading and communication skills. The class devotes a block of instruction to student financial management, using the National Endowment for Financial Education curriculum to teach the fundamentals of responsible money management, credit management, and investment. Students plan and execute a formal Military Ball. Marksmanship, drill and ceremony, and physical fitness activities continue. Uniforms and footwear are issued free of charge but are returned at the completion of the semester.(280311)

37416

Junior ROTC (JROTC), Level 2 – Semester 1 ½ Unit **FEE: None**

Pre-requisites: JROTC Level 1 (May be waived by instructor) (Grades 10-12)
Students continue to apply leadership practices and skills learned in level one to classroom situations; to JROTC fundraising, service projects and social events; and to JROTC participation in school activities. Students also continue participation in marksmanship, drill and ceremony, and physical fitness activities. To supplement the physical fitness training, the curriculum addresses healthy lifestyle issues including: proper nutrition, drug and alcohol awareness, STD prevention, and smoking avoidance and cessation. A significant block of instruction is devoted to teaching first aid for emergency and non-emergency situations. Students learn how to control bleeding;

treat shock; apply first aid for burns, wounds and poisons; and treat heat and cold weather injuries as well as other conditions. Students are also introduced to map reading and land navigation skills in preparation for further training in the second semester. Uniforms and footwear are issued free of charge but are returned at the completion of the semester. (280311)

37416

Junior ROTC (JROTC), Level 2 – Semester 2 ½ Unit **FEE: None**

Pre-requisites: Level 2 – Semester 1 (May be waived by instructor) (Grades 10-12)
Students continue to apply leadership practices and skill to all situations and projects. They also continue their participation in marksmanship, drill and ceremony, and physical fitness activities. Building on the map reading and land navigation skills introduced in the first semester, students will navigate courses in the local area to improve confidence in their ability to move over large areas of terrain with a map and compass. Additionally, the course takes an in-depth look at citizenship in American history and government, examining the constitution, the rights of citizens, representative government, and the role of citizens in a democracy. (280311)

MISCELLANEOUS

37401

COMMUNITY SERVICE

½ Unit

FEE: None

Pre-requisites: None

(Grades 9-12)

An innovative program designed to encourage students to become personally involved in their community, this course requires that each student enrolled develop, with the coordinator's help, a service project that requires at least 75 hours of non-school time. (990150)

32501

DRIVER EDUCATION

½ Unit

FEE: \$30.00

Pre-requisites: 9th graders must have Driver Education Permit (Grades 9-12)

Included in this course are two major experiences leading to driving competence: classroom work and on-the-road driving. This includes 30 hours of classwork and 6 hours of driving time. (340151)

32609

DRIVER EDUCATION ASSISTANT

No Credit

FEE: None

Pre-requisites: Driver Education; Driver's License; Teacher/Principal Approval

(Grades 11-12)

In this course the student will acquire additional skills in driving, in working with peers, and in various leadership roles. He will make these acquisitions by assisting the instructors in such things as: classroom work, simulator and range activities, and maintenance of vehicles. (990150)

13501

HEALTH

½ Unit

FEE: None

Pre-requisites: None

(Grade 10)

Required of all students, this course is designed to help each student to be physically fit, well nourished and mentally healthy. Emphasis is on self awareness for developing personal skills toward health improvement and for accepting responsibility to increase one's quality of life. CPR certification is required to complete this class. (340131)

37403

LEADERSHIP CLASS

½ Unit

FEE: None

Pre-requisites: Elected or appointed student leaders

(Grades 9-12)

The purpose of this course is to train student leaders in the various aspects of leadership such as parliamentary procedures, techniques of planning and organizing events, etc. Class time is provided for performance of tasks associated with the office to which each has been selected. (990150)

11415

LIBRARY SCIENCE

1 Unit (1/2 per semester)

FEE: None

Pre-requisites: Prior Approval of Librarian (Grades 9-12)

A select group of students will be trained to use the computerized circulation/catalogue system and other technologies available in the library. They will gather and shelve materials for teachers and students, run errands for the library staff, assist all patrons with the use of equipment, and help maintain the order of the overall collection. (250111)

15401

PHYSICAL EDUCATION

1 Unit (1/2 per semester)

FEE: None

Pre-requisites: None (Grades 9-12)

Although only one unit of Physical education is required for graduation, students are strongly encouraged to select this course as an elective. With national emphasis on wellness and physical fitness, students need to consider their physical development as well as their academic development. (340114)

15411

PHYS.ED./STRENGTH & CONDITIONING 1 Unit (1/2 per semester) FEE: None

Pre-requisites: None (Grades 9-12)

In this Strength and Conditioning class, students practice the basic skills in strength and muscle conditioning. A primary goal is to teach students the value of lifetime fitness. (340114)

15413

PHYS.ED./ADVANCED WEIGHT TRAINING 1 Unit (1/2 per semester) FEE: None

Pre-requisites: Approval by Athletic Director (Grades 9-12)

This course focuses on strength and muscle conditioning, with emphasis on intensive physical training. (340114)

15509

PHYSICAL EDUCATION ASSISTANT No Credit

FEE: None

Pre-requisites: Teacher/Principal Approval (Grades 10-12)

A select group of students will be trained to prepare necessary materials and to help with office management. These students will be responsible for filing, for preparing special materials, for maintaining office and locker rooms and for assisting teachers in various ways. This cannot be taken as a substitute for required physical education. (990150)

21413

ACADEMIC SUPPORT

1 Unit (1/2 per semester)

FEE: None

Pre-requisites: None

(Grades 9-12)

This course is designed to provide academic support for students who meet federal guidelines for receiving special education services and are working toward a Standard Diploma. It also assists students in attaining skills necessary for successfully completing the Alabama High School Graduation Examination. (651609)

37519

OFFICE ASSISTANT (ATTENDANCE) No Credit

FEE: None

Pre-requisites: Approval by Administrator

(Grades 10-12)

A small group of specially selected students will aid the Assistant Principal in gathering materials, answering the telephone, filing and inventorying data, and performing other duties as directed. (990150)

37529

OFFICE ASSISTANT (GUIDANCE) No Credit

FEE: None

Pre-requisites: Approval by Counselor

(Grades 10-12)

A small group of specially selected students will aid the Guidance Counselors in gathering materials, answering the telephone, filing and inventorying data, and performing other duties as directed. (990150)

37539

OFFICE ASSISTANT (PRINCIPAL) No Credit

FEE: None

Pre-requisites: Approval by Administrator

(Grades 10-12)

A small group of specially selected students will aid the Principal in gathering materials, answering the telephone, filing and inventorying data, and performing other duties as directed. (990150)

27615 (one hour), 27625 (two hours), 27635 (three hours)

CAREER EXPERIENCE

1 Unit (1/2 per semester)

FEE: None

Pre-requisites: None

(Grades 11-12)

This is a required course for students pursuing the Alabama Occupational Diploma. It gives the student the preparation needed to successfully complete the AOD curriculum. (990150)

28401

TRANSITION SKILLS – Semester 1

1/2 Unit

FEE: None

Pre-requisites: None

(Grades 9-12)

This course is designed to provide instruction in the areas of career decision-making, job-seeking skills and work maturity skills. It is an elective course only for students who have an IEP. (651610)

28401

TRANSITION SKILLS – Semester 2

1/2 Unit

FEE: None

Pre-requisites: None

(Grades 9-12)

Continuing the study begun the first semester in this course, students are provided instruction in the areas of career decision-making, job-seeking skills and work maturity skills. It is an elective course only for students who have an IEP. (651610)

37411

TEST-ASSIST/MATH-SCIENCE

½ Unit

FEE: None

Pre-requisites: None

(Grades 9-12)

This course is designed for students who are in need of remedial help in Mathematics and/or Science based on their performance on the Alabama High School Graduation Examination (AHSGE) or on their stanine scores on the SAT-10 in grade 8. It offers assistance on the specific skills that a student needs to be successful on the AHSGE.(990150)

37412

TEST-ASSIST/ENGLISH-SOCIAL STUDIES

½ Unit

FEE: None

Pre-requisites: None

(Grades 9-12)

This course is designed for students who are in need of remedial help in English (Language and/or Reading) and/or Social Studies based on their performance on the Alabama High School Graduation Examination (AHSGE) or on their stanine scores on the SAT-10 in grade 8. It offers assistance on the specific skills that a student needs to be successful on the AHSGE. (990150)

11416

MUSICAL THEATRE PERFORMANCE – Semester 2 ½ Unit FEE: \$10.00

Pre-requisites: Musical Theatre Performance – Semester 1 or Teacher Approval
(Grades 9-12)

As students become more proficient, they test and explore the wide variety of styles included under the umbrella of musical theatre. Both musical and dramatic techniques involved in staging a performance in this medium are emphasized. (500520)

35419

MUSIC ASSISTANT (CHORAL) No Credit FEE: None

Pre-requisites: Approval by Instructor (Grades 10-12)
A small group of specially selected students will aid the Choral Music Department in gathering materials, setting up laboratories, filing and inventorying supplies, and performing other duties as directed by the teacher. (990150)

35409

MUSIC ASSISTANT (INSTRUMENTAL) No Credit FEE: None

Pre-requisites: Approval by Instructor (Grades 10-12)
A small group of specially selected students will aid the Band program in gathering materials, setting up laboratories, filing and inventorying supplies, and performing other duties as directed by the teacher. (990150)

35411

MUSIC THEORY-Semester 1 ½ Unit FEE: None

Pre-requisites: 3 years of vocal or instrumental instruction or approval by instructor
(Grades 9-12)

Designed to introduce the student to the fundamentals of music, this course includes: melody, rhythm, meter, keys, major and minor scales, chords, triads and basic harmony. (500901)

35411

MUSIC THEORY-Semester 2 ½ Unit FEE: None

Pre-requisites: Music Theory –Semester 1 (Grades 9-12)
The student continues the study of music, including: melodic and harmonic relationships, elementary musical composition, musical score reading, conducting, and harmonic progressions. (500901)

35415

MUSIC APPRECIATION ½ Unit FEE: None

Pre-requisites: None (Grades 9-12)
The study of both choral and instrumental musical forms, in all their variations, makes up the content of this single-semester course. It helps the student come to an

appreciation of the role that music continues to play in the lives of people worldwide.
(500963)

35413

STRINGS-Semester 1

½ Unit

FEE: \$10.00

Pre-requisites: None

(Grades 9-12)

The Strings program is open to students in all grades. It includes instruction in violin, viola, cello and bass. The goal is to create a full orchestra in Florence City Schools.
(500901)

35413

STRINGS-Semester 2

½ Unit

FEE: \$10.00

Pre-requisites: None

(Grades 9-12)

Continuing the instruction begun the first semester, this course builds on the skills learned and challenges the student to higher levels of musical accomplishment.
(500901)

SCIENCE

In grades 9-12, the Science curriculum is comprehensive in scope, offering courses in Life Science, Physical Science and Earth/Space Science. All courses meet or exceed the standards prescribed in the statewide Science Course of Study.

Students may choose either of these sequences to help them earn their choice of an Academic or an Advanced Academic diploma. All students must earn four units in Science for graduation.

1. Sequence I (Academic)
General Physical Science;
General Biology; plus two of these:

General Earth Science
Astronomy/Meteorology
Ecology
2. Sequence II (Advanced Academic)
Biology CB
a physical science CB
Plus two additional CB science courses

OR

3. Sequence III (Advanced Academic)
AP Prep Biology
Chemistry
Plus two additional advanced-level science courses

NOTE: The designation LS (Life Science) or PS (Physical Science) appears at the end of each course description.

16401

PHYSICAL SCIENCE (G) –Semester 1 ½ Unit

FEE: None

Pre-requisites: None

(Grades 9)

This course is designed to present the fundamentals of physical science. Topics included are: **SI** measurement (metric), motion, work, power, simple machines, heat, waves, sound, light, mirrors and lenses, electricity and magnetism, nuclear energy, and energy alternatives. This course is for the Academic track only. **(PS)** (400121)

16401

PHYSICAL SCIENCE (G) –Semester 2 ½ Unit

FEE: None

Pre-requisites: Physical Science-Semester 2

(Grade 9)

This course is a continuation of Physical Science –Semester 1. Topics included are: states and composition of matter, atomic structure, periodic table, bonding, organic and biological compounds, solutions, chemical reactions, acids, bases and salts. This course is for the Academic track only. **(PS)** (400121)

16403

PHYSICAL SCIENCE (CB) –Semester 1 ½ Unit

FEE: None

Pre-requisites: Algebra I (completed or in progress) (Grades 9-12)
This course focuses on properties, classification, and the structure of matter. It also includes the study of the periodic law, chemical bonding and chemical reactions. Practical application of concepts will be reinforced through laboratory techniques. This course meets the Advanced Academic Diploma requirement. **(PS)** (400142)

16403

PHYSICAL SCIENCE (CB) – Semester 2 ½ Unit

FEE: None

Pre-requisites: Physical Science (CB) – Semester 1 (Grades 9-12)
This course centers around motion, force, mechanical and electrical energy. It also includes the study of electromagnetism, waves (light and sound), and a section on scientific technology. Practical application of these concepts is reinforced through laboratory experiences. This course meets the Advanced Academic Diploma requirement. **(PS)** (400142)

16407

BIOLOGY (G) -Semester 1

½ Unit

FEE: \$3.50

Pre-requisites: None (Grades 10 - 12)
This course offers a brief survey of biological science on a level that beginning science students can grasp. It is a non-college preparatory course, but it does include units of study in basic cell structure and function, classification, kingdoms, and methods of energy transfer through living systems. It includes all of the biology concepts that appear in the Alabama High School Graduation Examination. **(LS)** (260131)

16407

BIOLOGY (G) –Semester 2

½ Unit

FEE: \$3.50

Pre-requisites: Biology –Semester 1 (Grades 10-12)
This second semester course includes the study of all phyla of the animal kingdom, human biology and basic plant structure and function. This course includes all of the biology concepts in the Alabama High School Graduation Examination. **(LS)** (260131)

16411

BIOLOGY (CB) - Semester 1

½ Unit

FEE: \$5.00

Pre-requisites: None (Grade 9)
This college preparatory course provides a survey of the biological sciences. Special emphasis is placed on these areas: laboratory measurement and technique, cellular

processes including some molecular biology, the processes of photosynthesis and respiration, DNA and genetics. This course meets the Advanced Academic Diploma requirement. **(LS)** (260141)

16411
BIOLOGY (CB)- Semester 2 ½ Unit **FEE: \$5.00**

Pre-requisites: Biology (CB) - Semester 1 (Grade 9)
This course offers a detailed study of the classification of organisms; ecology and the transfer of energy through ecosystems; animal classification and physiology of invertebrates and vertebrates; and classification, structure and function, and life cycles of plants. Time is provided for dissections, experiments, presentations and demonstrations in this college-preparatory course, and it meets the Advanced Academic Diploma requirement. **(LS)** (260141)

16441
AP PREP BIOLOGY – Semester 1 ½ Unit **FEE: \$5.00**

Pre-requisites: Recommendation by 8th grade Science Teacher (Grade 9)
This academically challenging course includes an in-depth study of the biological sciences. It covers topics such as life forms, principles of heredity/genetics and molecular biology. This course meets the Advanced Academic Diploma requirement. **(LS)** (260141)

16441
AP PREP BIOLOGY – Semester 2 ½ Unit **FEE: \$5.00**

Pre-requisites: AP Prep Biology – Semester 1 (Grade 9)
Continuing the challenging pace set the first semester, this course includes detailed study of vertebrates, human physiology and topics from the field of botany. Dissections, experiments and demonstrations make this course an exciting one for the advanced science student. **(LS)** (260141)

16641
ADVANCED PLACEMENT BIOLOGY –Semester 1 ½ Unit **FEE: \$10.00**

Pre-requisites: Teacher/Principal Approval (Grades 11 - 12)
Included in this course is an advanced study in cell physiology, an in-depth study of the phyla and advanced laboratory activities in animal dissections. Independent research and written reports are encouraged. For success in this course the student should have completed Biology (CB) with a "B" average and Chemistry (CB) with a "C" average. **(LS)** (260142)

16641
ADVANCED PLACEMENT BIOLOGY –Semester 2 ½ Unit **FEE: \$10.00**

Pre-requisites: AP Biology –Semester 1 (Grades 11 - 12)

symbols; atomic structure; mole calculations; chemical formulas; types of reactions; writing and balancing equations; stoichiometry; and the quantum model of the atom. Practical application of chemical concepts are reinforced through laboratory techniques. (PS) (400521)

16505

CHEMISTRY (CB) – Semester 2

½ Unit

FEE: \$5.00

Pre-requisites: Chemistry (CB) - Semester 1 (Grades 10 - 12)

This course emphasizes such topics as periodic law and trends, chemical bonding, phases of matter, kinetic theory and the gas laws, solutions, ionization, acids, bases, and salts. If time permits these additional topics are covered: Reaction Rate, Equilibrium, Redox Reactions, Organic Chemistry, Nuclear Chemistry, and Electrochemistry. Practical application of chemical topics is reinforced through laboratory techniques. (PS) (400521)

16513

ASTRONOMY (G, CB)

½ Unit

FEE: \$10.00

Pre-requisites: Successful completion of Earth Science, Chemistry or Physics

(Grades 11-12)

The oldest of all sciences, Astronomy is the study of the universe outside of earth's atmosphere and the earth's role in the universe. This one-semester course, open to students on both the Academic and Advanced Academic Diplomas, is a study of the perspectives of the universe from Earth including planets, stars, galaxies, quasars, and black holes. (PS) (400211)

16515

METEOROLOGY (G, CB)

½ Unit

FEE: \$10.00

Pre-requisites: Successful completion of Earth Science, Chemistry or Physics

(Grades 11-12)

This one-semester course, open to students on both the Academic and Advanced Academic Diplomas, examines the atmosphere and its phenomena with emphasis on heat, moisture and wind and how these elements affect storm systems, weather patterns, and climates. (PS) (400618)

16741

ADVANCED PLACEMENT CHEMISTRY –Semester 1 1/2 Unit **FEE: \$10.00**

Pre-requisites: Teacher/Principal Approval; Pre-Calculus (completed or in progress)

(Grade 12)

This course is available only through dual enrollment at a local college/university or on-line on the high school campus; therefore, the student is expected to be highly self-motivated and to have the ability to work independently. (PS) (400522)

16741

ADVANCED PLACEMENT CHEMISTRY –Semester 2 ½ Unit **FEE: \$10.00**

Pre-requisites: AP Chemistry –Semester 1 (Grade 12)
Continuing work begun in AP Chemistry-Semester 1, the student commutes daily to a local college/university or works on-line on the high school campus. Successful completion of this course enables the student to take the AP Chemistry examination at the end of the school year. (PS) (400522)

16507
EARTH SCIENCE (G) –Semester 1 ½ Unit **FEE: None**

Pre-requisites: Completed or currently enrolled in Physical Science (G)
(Grades 10 – 12)
This course offers the students a brief survey of the structure of Earth and the dynamic process that has shaped and continues to shape its structure. It is a non-college preparatory course that emphasizes climates, weathering, stars, life cycle of stars, the origin and formation of the universe and solar systems. Practical application of these concepts is reinforced through laboratory experiments. This course is for the Academic track only. (PS) (400611)

16507
EARTH SCIENCE (G) –Semester 2 ½ Unit **FEE: None**

Pre-requisites: Earth Science – Semester 1 (Grades 10-12)
Continuing the survey begun the first semester, this course focuses on pulsars, galaxies and black holes, and space exploration. Practical application of these concepts is reinforced through laboratory experiments. This course is for the Academic track only. (PS) (400611)

16511
EARTH SCIENCE (CB) –Semester 1 ½ Unit **Fee: \$5.00**

Pre-requisites: Completed or currently enrolled in Physical Science (CB) or Chemistry or Physics (Grades 11 – 12)
In this course the students survey the structure of Earth and the dynamic process that have shaped and continue to shape its structure. It is a college-preparatory course that emphasizes climates, weathering, stars, life cycle of stars, the origin and formation of the universe and solar systems. Practical application of these concepts is reinforced through laboratory experiments. This course meets the Advanced Academic Diploma requirements. (PS) (400616)

16511
EARTH SCIENCE (CB) –Semester 2 ½ Unit **FEE: \$5.00**

Pre-requisites: Earth Science (CB) -Semester 1 (Grades 11-12)
Continuing the in-depth study begun the first semester, this course focuses on pulsars, galaxies and black holes, and space exploration. Practical application of these concepts is reinforced through laboratory experiments. This course meets the Advanced Academic Diploma requirements. (PS) (400616)

16605
PHYSICS (CB)- Semester 1 ½ Unit **FEE: \$5.00**

Pre-requisites: Physical Science (CB) or Chemistry; Algebra II (Grades 11-12)
This course takes the student through a study of mechanics. Topics include dimensional analysis, vectors, friction, torques, graphical analysis of motion, two dimensional motion and projectile motion, Newton's laws of motion, momentum, work, power, potential and kinetic energy. (PS) (400821)

16605

PHYSICS (CB) – Semester 2

½ Unit

FEE: \$5.00

Pre-requisites: Physics (CB) –Semester 1 (Grades 11-12)
In this course students study topics such as the difference between heat and temperature through heat exchange; wave behavior in terms of reflection, refraction, diffraction, constructive and destructive interference, and the Doppler effect; sound; light and its properties; image formation by mirrors and lenses; electrical forces; and series and parallel DC circuits. (PS) (400821)

16509

LABORATORY ASSISTANT

No Credit

FEE: None

Pre-requisites: Biology (CB); Chemistry (CB); Teacher/Principal Approval
(Grades 10 - 12)

A select group of students are trained to prepare necessary materials and to help with laboratory procedures for the entire science department. These students are responsible for keeping accurate inventories, preparing special materials and assisting the teachers in other ways as needed. (990150)

26407

LIFE SKILLS SCIENCE I: PHYSICAL SCIENCE 1 Unit (½ per Semester)

FEE: None

Pre-requisites: None (Grades 9-12)
The Life Skills Science I course focuses on Physical Science concepts. The emphasis of the curriculum is on Nature and Processes of Science, Properties and Changes in Matter, Forces and Motions, and Interactions of Energy and Matter. The Process and Application Content Standards (Standards 1-6) are not designed to be evaluated in isolation but are the means by which the Scientific Knowledge Content Standards may be taught. (654101)

26507

LIFE SKILLS SCIENCE II: BIOLOGY 1 Unit (½ per Semester) FEE: None

Pre-requisites: None (Grades 9-12)
The Life Skills Science II course focuses on Life Science concepts. The emphasis of the curriculum is on Nature and Processes of Science, Structure and Function of Living Systems; Matter, Energy, and Organization of Living Systems; Diversity and Adaptations; Heredity and Reproduction; and Health, Nutrition, and Safety. The Process and Application Content Standards (Standards 1-8) are not designed to be

evaluated in isolation but are the means by which the Scientific Knowledge Content Standards should be taught. (654102)

26607

LIFE SKILLS SCIENCE III: EARTH AND SPACE SCIENCE

1 Unit (½ per Semester)

FEE: None

Pre-requisites: None

(Grades 9-12)

The Life Skills Science II course focuses on Earth and Space Science including environmental issues. The Process and Application Content Standards (Standards 1-9) are not designed to be evaluated in isolation but are the means by which the Scientific Knowledge Content Standards should be taught.

26707

SCIENCE CONNECTIONS IV 1 Unit (½ per Semester)

FEE: None

Pre-requisites: None

(Grades 9-12)

Science Connections IV is an integrated course that connects previously taught skills to real life situations. This level extends previously learned skills and enables students to apply skills to practical life activities. The Process and Application Content Standards (Standards 1-9) are not designed to be taught in isolation but are to be integrated with the scientific knowledge content standards. (654204)

26405, 26505, 26605, 26705

EXPLORING THE NATURAL WORLD I, II, III, IV 1 Unit (1/2 per semester)

FEE: None

Pre-requisites: None for Certificate Science I

(Grades 9-12)

This course assists the student in acquiring healthcare knowledge, personal self-care skills and basic scientific concepts for independent living and successful employment. It meets the requirement of students working toward a Certificate of Attendance. (All 651605)

SOCIAL SCIENCE

The Social Science curriculum in grades 9-12 is all-inclusive, with courses as varied as American history and Psychology. Great care is taken to assure that all courses meet or exceed the standards prescribed in the State Course of Study for Social Science.

Depending on the student's choice of the Academic or Advanced Academic diploma, he/she may select one of these sequences:

1. Sequence 1:
 - World History Since 1500 (G)
 - American History to 1877 (G)
 - American History Since 1877 (G)
 - American Government/Economics

2. Sequence 2:
 - World History Since 1500 (CB)
 - American History to 1877 (CB)
 - American History Since 1877 (CB)
 - American Government/Economics

3. Sequence 3:
 - Honors World History Since 1500
 - AP Preparatory American History to 1877
 - AP American History
 - AP American Government/AP Economics

Psychology (1/2 unit) and Sociology (1/2 unit) are electives .

17601

PSYCHOLOGY – Semester 1

½ Unit

FEE: None

Pre-requisites: None

(Grades 11 - 12)

Psychology, a challenging and fascinating study of human behavior, asks the students to exchange ideas as well as explore material in books, in periodicals and on audio-visual tapes. They learn to help each other understand themselves as well as other people. Personality, mental health, emotions, and self-image are only a few of the topics explored. The objective is to help young people become well-adjusted adults. (420111)

17602

SOCIOLOGY- Semester 2

½ Unit

FEE: None

Pre-requisites: None

(Grades 11 - 12)

This course centers around a study of world cultures. Students study the similarities and differences among the people of the world - ranging from primitive tribes to

17641

ADVANCED PLACEMENT AMERICAN HISTORY –Semester 2

½ Unit

FEE: None

Pre-requisites: AP American History –Semester 1 (Grade 11)
Continuing the pace set in the first semester, this rigorous approach to the study of American history affords the talented student the opportunity to go well beyond the usual high school course. Students are encouraged to take the Advanced Placement Examination in American history at the end of this course. (450814)

17742

ADVANCED PLACEMENT ECONOMICS

1/2 Unit

FEE: None

Pre-requisites: Teacher/Principal Approval

(Grade 12)

The purpose of the course is to give the student a thorough understanding of the principles of economics which apply to individual units in the economy that determine the relative price of goods and inputs. It places primary emphasis on the nature and functions of product markets and the role of government in promoting greater efficiency and equality in the economy. (450606)

17741

ADVANCED PLACEMENT AMERICAN GOVERNMENT 1/2 Unit FEE: None

Pre-requisites: Teacher/Principal Approval

(Grade 12)

This is a one-semester college-level course concerned with the American governmental system as it has developed and as it works today. It examines the principal processes and institutions through which the political system functions. The goal of the course is to increase understanding of the American political system--its traditions, values and framework. There is strong emphasis in developing analytical thinking skills. (451008)

17405 (G), 17407 (CB)

WORLD HISTORY /GEOGRAPHY (G) (CB)–Semester 1 1/2 Unit FEE: None

Pre-requisites: None

(Grade 9)

Beginning with world events which occurred during the Renaissance, this course includes political and economic revolutions, the rise of nationalism and the worldwide impact of dictatorships. A study of map and globe skills is also incorporated. (450809)

17405 (G), 17407 (CB)

WORLD HISTORY/GEOGRAPHY(G) (CB)–Semester 2 1/2 Unit FEE:None

Pre-requisites: World History/Geography –Semester 1

(Grade 9)

World War I and its aftermath serve as the initial focus during this semester. The nature of various cultures throughout the world from 1920 to the present, along with further emphasis on map and globe skills, completes the study. (450809)

17441

HONORS WORLD HISTORY/GEOGRAPHY – Semester 1 1/2 Unit FEE: None

Pre-requisites: Teacher/Principal Approval (Grade 9)
Taught according to standards set forth for this course by the College Board, it takes the student into an advanced-level study of World History and World Geography. (450809)

17441

HONORS WORLD HISTORY/GEOGRAPHY –Semester 2 ½ Unit FEE: None

Pre-requisites: Honors World History/Geography – Semester 1 (Grade 9)
Continuing the rigorous study begun the first semester, this course includes an in-depth look at both history and geography of the world. (450809)

17603 (G), 17605 (CB)

AMERICAN HISTORY SINCE 1877-Semester 1 1/2 Unit FEE: None

Pre-requisites: None (Grade 11)
Starting in 1877, this course emphasizes the growth of the United States, the impact of the Industrial Revolution, and the major aspects of America's involvement in World War I. A continuing study of map and globe skills is interwoven throughout. (450821)

17603(G), 17605(CB)

AMERICAN HISTORY SINCE 1877-Semester 2 1/2 Unit FEE: None

Pre-requisites: American History Since 1877-Semester 1 (Grade 11)
Among the topics included in this semester course are: the Great Depression, the New Deal, World War II, Post-War Challenges, the Civil Rights Movement, and the Cold War. It is a required course. (450821)

17701

AMERICAN GOVERNMENT 1/2 Unit FEE: None

Pre-requisites: None (Grade 12)
The following topics comprise the core of this required course: Representative Democracy, Federalism, Role of the Citizen in American Government, and International Relations. (451004)

17702

ECONOMICS 1/2 Unit FEE: None

Pre-requisites: None (Grade 12)
These components make up this course which is required of all students: Basic Economic Concepts, Business and Labor Relations, Monetary and Fiscal Policy, and Comparative World Economic Systems. It is geared to fit the needs of all twelfth graders. (450602)

655205

Skills developed in this course include basic concepts in geography, government, civics and community orientation. It meets the requirements of students working toward a Certificate of Attendance. (All 651606)

CREDIT PLANNING/CHECK SHEET

Name _____ Diploma Type _____

Year Entered Grade 9 _____

Required	9 th Sem 1	9 th Sem 2	10 th Sem 1	10 th Sem 2	11 th Sem 1	11 th Sem 2	12 th Sem 1	12 th Sem 2
English 4 credits	English	English	English	English	English	English	English	English
Math 4 credits								
Science 4 credits								
Social Studies 4 credits	World History	World History	American History	American History	American History	American History	Govt/ Econ	Govt/ Econ
Physical Education 1 credit								
Health ½ credit								
Foreign Language 2 credits								
Fine Arts ½ credit								
Computer Literacy ½ credit								
Electives								
TOTAL CREDITS								

Student Signature & Date				
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Parent Signature & Date				
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Conference Dates: