

## Course Directory for JHS

### ENGLISH

#### On-Level Courses

##### **English I –1 credit-Grade 9**

This is a course designed to provide a firm foundation in grammar and writing skills. Students will also study and respond to appropriate literature in each genre.

##### **English II–1 credit-Grade 10**

English II is a sequential course of study with emphasis on the various components of literature, basic composition skills, and grammar.

##### **English III–1 credit-Grade 11**

English III is a sequential course of study with emphasis on the development of composition and grammar skills. American literature is the focus.

##### **English IV–1 credit-Grade 12**

A survey course designed to cover mastered skills in composition, grammar, and literature with emphasis on British authors. ***(Students who are considering attending college should enroll in English IV.)***

##### **Senior Applications in English–1 credit- Grade 12**

This course focuses on practicing good habits, exploring your identity, focusing on survival, learning life lessons, practicing citizenship, living in community, becoming an adult, and finding connection.

#### Honors English Courses

*In an Honors course the pace is accelerated, more material is covered, the use of lecture is extensive and the tests are more challenging. Honors courses are designed for the above average student.*

#### Please read carefully before making honors English course selections!!

##### **English I Honors–1 credit-Grade 9**

A sequential course of study designed to meet the needs of a college-bound or academically advanced student with emphasis on the various categories of literature, intermediate composition skills, and grammar

##### **English II Honors–1 credit-Grade 10**

A sequential course of study designed to meet the needs of a college-bound or academically advanced student with emphasis on the various categories of literature, intermediate composition skills, and grammar.

##### **English III Honors–1 credit-Grade 11**

A sequential course of study designed to meet the needs of college-bound or academically advanced students with emphasis on advanced composition skills, grammar, and the development of American Literature.

##### **English IV Honors–1 credit-Grade 12**

A sequential course of study designed to meet the needs of a college-bound or academically advanced student with emphasis on composition mastery, grammar skills, and the development of British Literature.

#### English Advanced Placement Courses

**AP courses are college-level courses, whereas honors courses are college-preparatory courses. Students enrolled in AP courses can expect a rigorous curriculum that exposes them to college-level texts at an accelerated pace which will require additional work outside of class. Several of the texts studied will not be included in the district-issued textbook, and students can expect to spend approximately \$30.00 on additional texts. In return for their commitment in the course, students will be given the opportunity to take the AP exam in May (for an additional fee); their score on this exam may earn them college English credit. (The exact credit earned will be determined by individual universities.)**

##### **English III Advanced Placement–1 credit-Grade 11**

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing.

## **English IV Advanced Placement—1 credit-Grade 12**

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and their resources of language contribute to effectiveness in writing.

## **MATHEMATICS**

### **On-Level Courses**

#### **Math Essentials-A—1 credit-Grades 9**

This course is a remediation to provide skills necessary for Algebra I. This course includes topics in exploring expressions, equations, and functions. Solving linear equations and inequalities using proportional reasoning and graphing relations and functions. It includes topics in functions, equations, inequalities, matrices, probability, statistics, transformation, exponents, polynomials, and factoring.

#### **Algebra I—1 credit-Grades 9, 10**

*Note: This course cannot be scheduled if previously passed Algebra I – Part I.*

*Prerequisite: Algebra I Honors is required to take Algebra II Honors.*

This course is designed to develop an understanding of mathematical concepts and principals, as well as skills in background for most science courses and all higher level math courses and for many careers.

#### **Geometry—1 credit-Grades 9, 10**

*Note: Geometry Honors is required to take Algebra II Honors.*

*Prerequisite: Algebra I or Algebra I pt I & Algebra I pt II.*

This is a basic course in Euclidean geometry. The topics to be discussed include triangle relationships, measurement in the plane and in space, congruence, similarity of triangles and circle relationships.

#### **Financial Math—1 credit-Grades 11, 12**

*Prerequisite: 2 credits in Mathematics*

This course deals with practical applications of areas such as budgeting, insurance, banking and taxes.

#### **Math Essentials-B credit-Grades 10, 11, 12**

*Prerequisite: 2 credits in Mathematics*

This course is a reinforcement of Algebra I and Geometry skills.

#### **Algebra II—1 credit-Grades 10-12**

*Prerequisite: Algebra I and Geometry*

This course further develops topics introduced in Algebra I and includes others which serve as a foundation for basic college mathematics courses required in most fields of study.

#### **Advanced Math-Pre-Calculus—1 credit- Grades 11, 12**

*Prerequisite: Algebra II*

The first part of the course covers topics from trigonometry. The second part includes topics such as linear functions, systems of equations, matrices, rational equations, radical equations, and the conic sections. **(This course is for college-bound seniors who will not enroll in Calculus.)**

#### **Calculus—1 credit 11, 12**

*Prerequisite: Algebra II, Advanced Math*

This course includes topics such as linear functions, systems of equations, matrices, rational equations, radical equations, and the conic sections. **(This course is for college-bound seniors who will not enroll in Calculus.)**

### **Honors Math Courses**

*In an Honors course the pace is accelerated, more material is covered, the use of lecture is extensive and the tests are more challenging. Honors courses are designed for the above average student.*

#### **Algebra I Honors—1 credit-Grade 9**

*Prerequisite: At least a "B" average in 8<sup>th</sup> grade math is recommended. Note: Algebra I Honors is required to take Algebra II Honors.*

Algebra I is an entry level course designed to develop an understanding of mathematical concepts and principles as well as skills in background for most science courses, all higher math courses, and information for careers.

### **Geometry Honors—1 credit-Grades 9, 10**

*Prerequisite:* Algebra I Honors. *Note:* Geometry Honors is required to take Algebra II Honors.

This course is designed for students with strong mathematical backgrounds. It covers properties of geometric figures, area, volume, parallelism, congruent, triangles, similarity and circle relationships.

### **Algebra II Honors—1 credit-Grades 10-12**

*Prerequisite:* Algebra I Honors and Geometry Honors, at least a "B" average in both courses is highly recommended.

This is an accelerated math course designed for college-bound students who plan to major in engineering, architecture, pre-med, computer technology, or math education. Students will be applying higher order thinking skills in the form of application problems (word problems).

## **SOCIAL STUDIES**

### **On-Level Courses**

#### **World History—1 credit-Grades 9-12**

This course offers a survey of history from the Renaissance to modern times. This is a required course for all freshmen in the honors program.

#### **Civics— 1 credit-Grade 10**

This is a required course that studies the federal, state, and local governments of the United States.

#### **American History—1 credit-Grade 11**

This is a required course that is a review of American History from post reconstruction to the present.

#### **World Geography—1 credit-Grades 10-12**

This course is a study of the major geographical regions of the world. All aspects of geography (social, political, and physical) will be emphasized.

#### **Fine Arts Survey—1 credit-Grades 10-12**

This course is designed to take you on a journey through time using the art of the ages. Included are music, theater, painting, sculpture and dance.

### **Honors Social Studies Courses**

*In an Honors course the pace is accelerated, more material is covered, the use of lecture is extensive and the tests are more challenging. Honors courses are designed for the above average student.*

#### **World History Honors—1 credit-Grade 9-12**

This course is a survey of history from the Renaissance to modern times. An extensive final project is required.

#### **Civics Honors—1 credit-Grade 10**

This is a required course which studies the national, state and local governments of the United States. A weekly journal, portfolio of political cartoons, ten hours of community service and attendance of local government meetings are part of this course.

#### **American History Honors—1 credit-Grade 11**

This required course is a review of American History from post reconstruction to present. A research paper is required and a variety of projects may be required.

#### **World Geography Honors—1 credit-Grade 9**

This course is the study of the major geographical regions of the world. All aspects of geography (social, political, economic, and physical) will be emphasized. A variety of projects and research may be required.

#### **Fine Arts Survey Honors—1 credit-Grades 10-12**

This course is designed to take you on a journey through time using the art of the ages. Included are music, theater, painting, sculpture and dance. Research, projects and independent study are a large part of this course.

## SCIENCE

### On-Level Courses

#### **Physical Science–1 credit-Grade 9**

This course explores the following physical science topics: energy and motion; the nature of matter; kinds of substances; interactions of matter; waves, light, and sound; and electricity and energy resources.

#### **Biology–1 credit-Grade 10**

*Lab Fee: \$10.00*

This course explores the characteristics and life cycles of organisms and explains their relationships with each other and their environment. Topics of concentration include: cellular biology, the molecular basis of heredity, biology evolution, energy relationships within organisms and ecosystems, organization of living systems, and contemporary health issues. The development of these concepts is supported by inquiry and laboratory instruction.

#### **Biology II–1 credit-Grades 11, 12**

*Lab Fee: \$20.00*

Biology II is designed for the student who has a strong interest in biology. Students explore advanced topics selected from cellular biology, biochemistry, biotechnology, genetics, microbiology, evolution, behavior, ecology, plant and animal anatomy, and physiology. Research and advanced laboratory techniques are emphasized.

#### **Chemistry–1 credit-Grades 11, 12**

*Lab Fee: \$5.00*

**Prerequisite/Co-requisite:** *Algebra II*

A course designed for the above-average, college-bound student. This class provides students with a basic understanding of matter, its structure, and ordinary chemical reactions. Subject matter will be developed through lecture, laboratory exercises, and problem solving. A scientific calculator is highly recommended.

#### **Environmental Science-1 credit-Grades 11, 12**

**Prerequisite:** *Biology*

This course is designed to develop student awareness of local, national and global environmental issues. Major study areas include wildlife and ecology, pollution, energy and environmental health.

#### **Anatomy & Physiology-1 credit-Grades 10-12**

*Lab Fee: \$10.00*

**Prerequisite:** *Biology or Biology Honors with a grade of "C" or better.*

This course is designed academically strong science students who have an interest in various medical or health-care fields. Structure, function, and disease conditions of the systems comprising the human organisms may be studied. *Organ and whole body dissections will be performed.*

### Honors Science Courses

*In an Honors course the pace is accelerated, more material is covered, the use of lecture is extensive and the tests are more challenging. Honors courses are designed for the above average student.*

#### **Physical Science Honors–1 credit-Grade 9**

**Prerequisite:** *"C" or better in 8<sup>th</sup> grade GT Math or "B" or better in 8<sup>th</sup> grade math is strongly recommended.*

This course is designed for college bound and academically strong students who have the capability to perform independent study activities. It covers the sciences of physics and chemistry and how they relate to the world around them. Some of the topics covered are: forces & motion, Bernoulli and Archimedes' principles, Newton's motion laws, chemical bonding, chemical reactions, balancing equations, and a working knowledge of how to use the periodic table. Various projects will be required.

#### **Biology Honors–1 credit-Grade 10**

*Lab Fee: \$5.00*

This course explores the characteristics and life cycles of organisms and explains their relationships with each other and their environment. Topics of concentration include: cellular biology, the molecular basis of heredity, biology evolution, energy relationships within organisms and ecosystems, organization of living systems, and contemporary health issues.

The development of these concepts is supported by inquiry and laboratory instruction. Scientific methods will be applied to classroom projects.

### **Biology II Honors—1 credit-Grades 11, 12**

*Lab Fee: \$20.00*

**Prerequisite/Co-requisite:** “C” or better in Chemistry I

Biology II is designed for the student who has a strong interest in biology. Students explore advanced topics selected from cellular biology, biochemistry, biotechnology, genetics, microbiology, evolution, behavior, ecology, plant and animal anatomy, and physiology. Research and advanced laboratory techniques are emphasized.

### **Anatomy & Physiology Honors—1 credit-Grades 10-12**

*Lab Fee: \$10.00*

**Recommended Prerequisite:** Biology or Honors Biology with a grade of “C” or better.

This course is designed academically strong science students who have an interest in various medical or health-care fields. The course is organized so that structure, function, and disease conditions of the systems comprising the human organisms may be studied. Organ and whole body dissections will be performed.

### **Chemistry I Honors—1 credit-Grades 11, 12**

*Lab Fee: \$5.00*

**Prerequisite/Co-requisite:** Algebra II

A course designed for the college-bound student; it is a laboratory, hands-on course designed to provide an understanding of the elements, compounds they compose, and the structure of matter. Various types of chemical reactions will be explored through problem-solving and experimentation. This class is recommended for students pursuing a career in medicine or other science-based fields.

## **Biology Advanced Placement Courses**

AP courses are college-level courses, whereas honors courses are college-preparatory courses. Students enrolled in AP courses can expect a rigorous curriculum that exposes them to college-level texts at an accelerated pace which will require additional work outside of class. Several of the texts studied will not be included in the district-issued textbook, and students can expect to spend approximately \$30.00 on additional texts. In return for their commitment in the course, students will be given the opportunity to take the AP exam in May (for an additional fee); their score on this exam may earn them college Biology credit. (The exact credit earned will be determined by individual universities.)

### **Biology AP- 1 credit-Grade 10**

*Lab Fee: \$20.00*

**Prerequisite:** Passed Physical Science Honors with at least a C or on-level with a B.

AP Biology is a rigorous and demanding course, which is the equivalent of an introductory college biology course. Content will be covered in more depth and greater expectations will be placed on interpretation and analysis of information than previous biology courses. In addition, statistical analysis of data and modeling of concepts will be expected. A significant amount of studying must be completed at home to allow time for discussion, labs, and inquiry during class time. The new AP Biology curriculum encompasses 4 “big ideas”, with Essential Knowledge and Process Skills that support each one. All students enrolled in Biology AP are expected to take the AP exam in May. Additionally, all students enrolled are required to take an End of Course Test. The End of Course Test grade is applied to 20% of the student’s total average for the semester as indicated in the final average for the class. All students taking this class are required to take the Biology EOC test.

## **PHYSICAL EDUCATION**

*All Physical Education students must have a required uniform in good condition. The cost is \$16.00. These uniforms may be purchased from the P. E. Department. A locker rental for P. E. is also required at a cost of \$3.00 and the student must provide his/her own lock.(Students may earn up to four credits in Health/P. E.)*

### **PE I—1 credit-Grade 9**

This course is required for all 9<sup>th</sup> grade students. It will cover the state minimum requirements which include volleyball, basketball, softball, and flag football along with a variety of other activities. Dressing out is required.

### **PE II—½ credit-Grade 10**

This course is required for all 10<sup>th</sup> grade students. It will cover the state minimum requirements which include archery, volleyball, tennis, and physical fitness, along with a variety of other activities. Dressing out is required.

### **Health Education-½ credit -Grade 10**

This is a required course for graduation. The content area for this course includes current health topics helpful to students in their current and future living.

### **PE III – 1 credit-Grades 11, 12**

Intramural competition will be offered in basketball, volleyball, flag football and track. Dressing out in standard uniform is required.

### **PE IV – 1 credit-Grades 11, 12**

Intramural competition will be offered in basketball, volleyball, flag football and track. Dressing out in standard uniform is required.

### **Weights and Conditioning (I-IV) –1 credit – Grades 9-12 (ATHLETES ONLY with Coach Approval)**

This is a full-credit course for the student who wishes to improve his/her overall physical fitness. Weight training, flexibility exercises, plyometric, agility training, and cardiovascular activities will be included. Dressing out in a standard uniform will be required for these activities.

## **WORLD LANGUAGES**

### **On-Level Courses**

#### **French I–1 credit-Grades 10-12**

**Prerequisite:** “C” in English I

This course is designed to develop knowledge of basic French vocabulary, grammar, and culture. Students will be expected to converse and write in the target language.

#### **French II–1 credit-Grades 10-12**

**Prerequisite:** French I

This course is designed to further develop the students’ knowledge of French vocabulary, grammar, and culture. Speaking, listening, reading, and writing skills will be emphasized. Students will be expected to converse and write in the target language.

### **Honors World Language Courses**

*In an Honors course the pace is accelerated, more material is covered, the use of lecture is extensive and the tests are more challenging. Honors courses are designed for the above average student.*

#### **French I Honors–1 credit-Grades 10-12**

**Prerequisite:** “C” in English I

This course is designed to develop the students’ knowledge of French vocabulary, grammar and culture. Speaking, listening reading and writing skills will be emphasized. Students will be expected to converse and write in the target language. All students will be expected to create a portfolio of written work which demonstrates mastery of vocabulary, grammatical structures, and culture studied.

#### **French II Honors–1 credit-Grades 10-12**

**Prerequisite:** French I

This course is designed to further develop the students’ knowledge of French vocabulary, grammar and culture. Students will be expected to communicate in the target language. All students will create a portfolio of written work demonstrating mastery of vocabulary and of grammatical concepts studied in French II.

## **GIFTED CLASSES**

Students enrolled in the gifted program should register for academic subjects of their interest and strength. Academic offerings will emphasize enrichment and/or acceleration. In Gifted classes the pace is accelerated, more material is covered, the use of lecture is extensive and the tests are more challenging. All courses are honors level classes.

### **Gifted English**

#### **English I Gifted–1 credit–Grade 9**

This course offers a sequential course of study where instruction focuses on differentiation, acceleration and enrichment. The gifted curriculum is a challenging one that extends beyond honors English. Emphasis is on development of grammar and composition skills, and beginning analysis of literature.

### **English II Gifted–1 credit–Grade 10**

This course offers a sequential course of study where instruction focuses on differentiation, acceleration and enrichment. The gifted curriculum is a challenging one that extends beyond honors English. Course work emphasizes continuing development of skills in composition, usage, and grammar while, at the same time, reading and analyzing excerpts from World Literature.

### **English III Gifted–1 credit–Grade 11**

This course offers a sequential course of study where instruction focuses on differentiation, acceleration and enrichment. The gifted curriculum is a challenging one that extends beyond honors English. Course work emphasizes continuing development of skills in composition, usage, and grammar while, at the same time, reading and analyzing excerpts from American Literature.

### **English IV Gifted–1 credit–Grade 12**

This course offers a sequential course of study where instruction focuses on differentiation, acceleration and enrichment. The gifted curriculum is a challenging one that extends beyond honors English. Course work emphasizes continuing development of skills in composition, usage, and grammar while, at the same time, reading and analyzing excerpts from British Literature.

## **Gifted Mathematics**

### **Algebra I Gifted–1 credit–Grade 9**

This is an accelerated Algebra I course. It is an entry level course designed to develop an understanding of mathematical concepts and principles as well as skills in background for most science courses, all higher math courses and information for careers.

### **Geometry Gifted–1 credit–Grades 9, 10**

**Prerequisite:** Algebra I Honors/Gifted with a “B” average or above.

This course is designed for the college-bound or academically superior gifted student. This course in Euclidean Geometry includes parallelism, congruence of triangles, similarity of triangles, and a brief introduction to coordinate geometry.

### **Algebra II Gifted – 1 credit–Grades 10, 11**

**Prerequisite:** Algebra I Honors/Gifted with a “B” average or above.

This is an accelerated Algebra II course. It further develops topics introduced in Algebra I and includes others that serve as a foundation for basic college mathematics courses.

### **Advanced Math Functions and Statistics Gifted – 1 credit–Grades 11, 12**

**Recommended Prerequisite:** Geometry Honors/Gifted and Algebra II Honors/Gifted and a least a “C” average in both Geometry Honors/Gifted and Algebra II Honors/Gifted. Advanced Math–Functions and Statistics include topics in discrete mathematics such as sequences and series, the binomial theorem, and probability and statistics. Trigonometry topics are also discussed. **This course is a prerequisite for Pre-Calculus Honors.**

## **Gifted Social Studies**

### **World History Honors/Gifted–1 credit–Grade 9**

This course is a survey of history from the Renaissance to modern times with independent research, text material with limited guidance from the teacher, class and research activities according to the interests and ability of the students.

### **Civics Honors/Gifted– 1 credit Grade 10**

This course is a study of the national, state and local governments of the United States. The students will participate in several activities which explore citizenship and political participation in depth and are responsible for text material with limited guidance from the teacher.

### **American History Honors/Gifted–1 credit–Grade 11**

This course is an in-depth review of American history from the late 1800’s to the present. Material is covered at a fast pace; therefore, students are to be responsible for text material with limited guidance from the teacher.

## **BUSINESS**

## **On-Level Courses**

### **Principles of Business—1 Credit-Grades 9-12**

This course introduces students to the role of business in the lives of individuals, consumers, workers, and citizens. Coverage includes small-business management, business fundamentals, career planning, social responsibility and ethics, basic economics, technology, financial operations, risk management, consumer decision-making, and insurance.

### **Introduction to Business Computer Applications-1 Credit-Grades 9-12**

*Lab Fee \$10.00*

This course includes the use of touch techniques to master the keyboard and improve speed and accuracy in keyboarding. It is also designed to enhance the student's literacy in the use of word processing, database, spreadsheet, and electronic presentation software.

### **Business Computer Applications-1 Credit-Grades 10-12**

*Lab Fee \$10.00*

**Prerequisite:** IBCA

This course is for students planning to go to college or who need to develop intermediate level computer skills. Students will have an opportunity to learn the Microsoft® Office Suite (Access, Excel, PowerPoint and Word) and develop proficiency in importing and exporting data from one program to another.

### **Web Design—1 credit-Grades 11, 12**

*Lab Fee \$10.00*

**Prerequisite:** IBCA

Learn to design and create web pages using HyperText Markup Language (HTML). Create and format your own fully functional web site using text, images, hyperlinks, and tables. Build upon basic HTML concepts to in order to maintain your web site. Students will maintain the JHS website.

## **FAMILY & CONSUMER SCIENCES**

### **Family & Consumer Science I—1 credit-Grades 9-12**

**Lab Fee: \$15.00**

This course is designed to assist students with decision-making skills and understanding relationships with family, peers, and others. It includes: childcare responsibilities, consumer skills, basic nutrition, food preparation, fabric selection, and sewing a simple project.

### **Family and Consumer Sciences II —1 credit-Grades 10-12 *Prerequisite: Family and Consumer Sciences I***

**Lab Fee: \$20.00**

This course is designed to build on the foundational skills introduced in FACS I. Deeper study and additional practical application activities are implemented in the areas of personal and family living; wellness, nutrition and food; financial management; living environments; appropriate child development practices; clothing and textiles; and continuing to build employability skills and the transfer of life skills from school to life and work. FCCLA leadership activities are offered to provide the opportunity to apply instructional competencies and workplace readiness skills to authentic experiences.

### **Family Life Education—½ credit-Grades 9, 10, 11, 12**

This course is designed to improve the quality of family life. Concepts are developed in the following areas: personal development, relationships, dating, love and marriage. Students will plan a mock wedding and reception.

### **Parenthood Education—½ credit-Grades 9, 10, 11, 12**

**Fee: \$5.00**

This course is designed to prepare students for the realities of parenthood, responsibilities, and the needs of children from birth through adolescence. It will also cover preventing teen parenthood, child abuse, and developing good parenting skills.

### **Adult Responsibilities—½ credit-Grades 9, 10, 11, 12**

**Fee: \$5.00**

This course includes decision-making skills, money management, clothing maintenance, and competence for finding and holding a job and establishing a career. This course will also include information on selecting your first apartment and preparing and serving breakfast and dinner.

### **Nutrition and Food—½ credit-Grades 9, 10, 11, 12**

**Lab Fee: \$20.00**

This course includes: kitchen safety and sanitation, basic principles of nutrition, preparation and service of simple foods, optimal use of the food dollar, and job opportunities in food-related occupations at the entry level. *(We recommend that you also schedule Advanced Nutrition and Food).*

### **Advanced Nutrition and Food-½ credit-Grades 9, 10, 11, 12**

**Lab Fee: \$30.00**

This course includes purchasing food/kitchen equipment, planning, preparing and serving meals, meal management, sanitation and food safety, food preservation, quantity cooking, catering, and careers in food-related occupations. This course may serve as a **prerequisite** for CFACS Work Program.

### **Child Development - ½ credit-Grades 10, 11, 12**

**Lab Fee: \$5.00**

This course consists of the study of the stages of pregnancy and the birthing process, growth and development of the infant, toddler and preschool child, caring for children, observation techniques, childcare facilities, and careers. This course will also allow students to plan and have a baby shower to prepare to take the mechanical “Baby Think It Over” home to experience what it is like to be responsible for a newborn infant. *(We recommend that students also schedule Child Development Advanced).*

### **Child Development Advanced –½ credit-Grades 10, 11, 12**

**Lab Fee: \$10.00**

**Prerequisite:** Child Development

This course is designed to provide students with hands on experience in working with young children by taking field trips to the Head Start Center to work in classrooms with certified teachers. Lab fee will be used for field trips. Students will have to purchase basic supplies to make classroom projects. This class will also provide instructions in child growth and development, nutrition, program planning, management, safety and behavior guidance.

### **Early Childhood Education I – 1 Credit – Grades 11, 12**

**Lab Fee: \$30.00**

This course prepares students to work with children birth to age eight. Stages of child development, health, safety, guidance, and developmentally appropriate activities are reinforced in this course. Foundation skill development assists students desiring to meet requirements for the CDA (Child Development Associate) credential. This course will provide students an opportunity to apply learned skills in the workplace. Non-paid internships are provided to students in an Iberia parish elementary school. Students must take Early Childhood Education II to earn their CDA. **Students MUST provide their own transportation!**

**Prerequisite skills: Must be at least 16 years old**

### **Early Childhood Education II – 1 credit – Grades 11, 12**

**Lab Fee: \$20.00**

This course prepares students for employment in early childhood education and child-related careers. Emphasis is placed on enhancing the development of young children while providing early education and care. Skill development assignments and Family, Career, and Community Leaders of America (FCCLA) leadership activities provide the opportunity to apply competencies and workplace readiness skills to authentic experiences. Foundation skill development is included for students to meet requirements for the CDA (Child Development Associate) credential. The course is offered only to junior and senior students. **Students MUST provide their own transportation!**

**Prerequisite skills: Early Childhood Education I & Must be 16 years old**

## **FINE ARTS**

### **Art I (Basic Design) – 1 credit-Grades 9-12**

*Lab Fee: \$15.00*

This course involves two-dimensional design studies and some 3-D studies. Emphasis will be on extensive drawing, color theory, illustration, art history and appreciation. Projects covered will include landscape, still life, the human figure with portraits, illustration and design. Mediums used are pencil, charcoal, pastel, ink, tempera, construction paper, et cetera. Some sculpture will be interjected.

### **Art II (Basic Painting) – 1 credit-Grades 10-12**

*Lab Fee: \$15.00*

**Prerequisite:** Art I

This course involves two-dimensional design studies in painting with acrylics. Emphasis on drawing with painting studies of the human figure, still life, landscapes, et cetera. Video, slide presentations on art history and application of techniques will be included throughout the year. Canvas, paints and brushes supplied.

### **Art IV-1 credit-Grades 10-12**

*Lab Fee: \$15.00*

The first term 3-D design course includes basic design and sculpture with project. The second term will include projects in ceramic studies with emphasis on pouring molds, cleaning, and firing green-ware, staining and glazing techniques, relief sculpture on green-ware and painting techniques on bisque-ware. Slide presentation and visuals will be interjected throughout the year. Some materials required.

### **3-Dimensional Design (Hand-built Pottery/Sculpture) –1 credit-Grades 10-12**

*Lab Fee: \$15.00*

The first term course work will consist of hand-built pottery. The second term course work will consist of sculpture that includes modeling, carving or constructing a three-dimensional form.

## **OTHER ELECTIVES**

### **Journey to Careers–1 credit-Grade 9**

*Lab Fee: \$10.00*

Students will explore and understand the framework of the Louisiana Career Education Model. Individual Graduation Plans (IGP) will be developed and used for scheduling. Students will also participate in career exploration activities, recognize postsecondary options, explore and understand “soft skills” that contribute to successful employment. Another component of the course is participation in Key Train activities and testing. Finally, students will explore, understand and apply personal finance concepts and skills using the Everfi software program.

### **JAG (Jobs for America’s Graduates) – 1 credit**

Students are required to produce documents, participate in and complete project-based lessons as they build a plan for their future. They will receive the following services: mentoring, leadership development and job placement services.

**JAG is taken as a replacement for Journey to Careers and can be taken all four years.**

### **BAND**

**\*\*Students are required to pay the Instrument rental fee of \$35.00 if upon enrollment in any band courses. Students who schedule any Band Courses must attend the Summer Band Camp.**

**Contact Ms. Johnson, the band director, for more information regarding fees and camp dates.\***

### **Beginner Band -1 credit-Grades 9, 10, 11, 12**

This course focuses on the refinement of musical techniques and ideas. **Participation in Marching and Symphonic or Concert Band is Mandatory** Successful completion requires attendance at all extracurricular activities, rehearsals, and performances-including several festivals and competitions. *Students must attend all extra practices and performances.*

### **Intermediate Band-1 credit-Grades 9, 10, 11, 12**

**Prerequisite: Beginner Band**

This course focuses on the refinement of musical techniques and ideas. **Participation in Marching and Symphonic or Concert Band is Mandatory.** Successful completion requires attendance at all extracurricular activities, rehearsals, and performances-including several festivals and competitions. *Students must attend all extra practices and performances.*

### **Advanced Band-1 credit- Grades 9, 10, 11, 12**

**Prerequisite: Intermediate Band**

This course focuses on the refinement of musical techniques and ideas. **Participation in Marching and Symphonic or Concert Band is Mandatory** Successful completion requires attendance at all extracurricular activities, rehearsals, and performances-including several festivals and competitions. *Students must attend all extra practices and performances.*

## **INDUSTRIAL TECHNOLOGY**

### **NCCER Core—1 credit Grade 9**

*Lab Fee: \$40.00*

**Prerequisite: For any Level I Craft Course**

The NCCER Core Curriculum is a prerequisite to all other Level 1 craft curriculum. Its modules cover topics such as Basic Safety, Communication Skills and Introduction to Construction Drawings. Completing this curriculum gives the trainee the basic skills needed to continue education in any craft area he or she chooses.

**General Technical Education—1 credit-Grades 9-12**

*Lab Fee: \$40.00*

This basic course introduces a wide variety of drafting equipment and techniques. Included is an in-depth study of measurement, geometry, two and three dimensional shape descriptions, section drawings, threads and fasteners, and architectural drawings. This is **not** a “shop” or “woodwork” course. (See Note)

**Basic Wood Technology—1 credit- Grades 9-12**

*Lab Fee: \$40.00*

This course provides students with a general knowledge of woods and related building materials. Students gain experience with hand tools and power tools as they construct their individual projects. Safety issues are emphasized and tested throughout the entire course.

**Advanced Wood Technology—1 credit- Grades 10, 11, 12**

**Prerequisite:** *Basic Wood Technology*

*Lab Fee: \$40.00*

This course is a “service class” for JHS. Students gain woodworking skills while building, repairing and refinishing items for general classroom or school use. No personal student projects are completed in this course. Students in this course will be expected to do a great deal of painting and varnishing.

## **IBERIA PARISH CAREER CENTER**

### **Trade and Industry**

The Iberia Parish Career Center offers vocational courses which enable students to master knowledge and skills for job entry upon graduation or continuing education at a technical college or 4-year university. All courses have a laboratory or clinical component and will provide for the development of hand skills or job experience.

#### **AC Refrigeration (HVAC) I-2 credits-Grades 9, 10, 11, 12**

This course generally prepares students to install, diagnose, repair, and maintain the operating condition of heating, air conditioning and refrigeration systems.

#### **Auto Body Repair I-2 credits- Grades 9, 10, 11, 12**

*Lab Fee: \$20*

Students will learn about tools, equipment and materials used in the auto body trade. It provides basic skills in metal finishing, welding and application of body filler.

#### **Auto Body Repair II- 2 credits-Grades 10, 11, 12**

*Lab Fee: \$20*

*Prerequisite: Auto Body Repair I*

The course will provide advanced skill in metal repair, trim and glass replacement and masking operations. Corrosion protection, frame and body alignment, estimating and job seeking skills will be covered.

#### **General Automotive Technician -2 credits-Grades 9, 10, 11, 12**

*Lab Fee: \$20*

This course emphasizes safety, use of tools and fundamental knowledge of the systems of the automobile. This course offers a hands-on experience for re-building components of selected systems such as braking systems and starters. Students will perform extensive tune-ups and replace defective parts on a variety of models of automobiles.

#### **Carpentry I-2 credits-Grades 9, 10, 11, 12**

*Lab Fee: \$20*

*Prerequisite: Recommend Basic Woods/Adv Woods or Building Maintenance*

This is an entry level course for students interested in residential carpentry. Students will use building materials, nails and fasteners, the framing square, measurement, and paints and finishes.

#### **Carpentry II-2 credits-Grades 10, 11, 12**

*Lab Fee: \$20*

*Prerequisite: Carpentry I*

This course is designed for second year carpentry students interested in residential carpentry. Project work will include the construction of small buildings.

#### **Custom Sewing I - 2 credits- Grades 9, 10, 11, 12**

*Lab Fee: \$25*

This course covers prerequisite job skills in the field of sewing. Students are taught basic functions on a traditional sewing machine and construct several projects following a pattern. Students are introduced to a commercial monogramming machine.

#### **Custom Sewing II-2 credits-Grades 10, 11, 12**

*Lab Fee: \$25*

*Prerequisite: Custom Sewing I, Basic Computer Skills*

Students review traditional skills and perform several advanced tasks on the sewing machine. They are taught thread application and hooping skills and software programs applicable to commercial embroidery and monogramming.

#### **First Responder-2 credits-Grades 10, 11, 12, Age 16**

*Lab Fee: \$20*

*Prerequisite: Medical Terminology or Biology (C or better)*

A First Responder has the skills necessary to begin assessing and caring for patients at the scene of an injury or illness prior to being sent to a hospital. It offers entry level training for administering CPR and first aid.

#### **Food Services I-2 credits-Grades 9, 10, 11, 12**

Students complete a series of basic kitchen duties involving proper cleaning and sanitation of the DELI and cooking area.

**Food Services II–2 credits-Grades 9, 10, 11, 12**

*Prerequisite: Food Services I*

Students must independently perform cooking of a menu item following a recipe and must demonstrate service delivery of a catered meal in a small group.

**Nursing Assistant I–2 credits-Grades 11, 12**

Lab Fee: \$20 +uniform, background check, insurance

*Prerequisite: Medical Terminology or First Responder or Human Anatomy*

This course is designed for students who plan to pursue nursing or health care as a career. Emphasis is placed on the practical, bedside arts of nursing. Instructional topics include a review of body systems, nursing concepts and employability skills. Students work in a hospital or nursing home setting. Successful completion of the clinical program and exam leads to a Certified Nursing Assistant (CNA) certificate. A scrub uniform, physical exam, PPD (TB Test), background check, malpractice insurance and hepatitis vaccine or declination form and an up-to-date shot record are required.

**Outdoor Power Equipment I–2 credits-Grades 9, 10, 11, 12**

Lab Fee: \$20

Students will spend time with a variety of equipment such as lawn equipment, all terrain vehicles, motorcycles, chainsaws and outboard motors.

**Outdoor Power Equipment II–2 credits-Grades 10, 11, 12**

Lab Fee: \$20

*Prerequisite: Outdoor Power Equipment I*

Additional experiences in the operation of the small gas engine. Troubleshooting for problems in a variety of equipment and the use of technical manuals will be incorporated.

**Barbering I-2 credits-Grades 10, 11, 12**

Lab Fee: \$25

Personality development, personal hygiene, hair care and styling are addressed. Some of the topics covered are hair structure and growth, scalp and nail disease, hair styling and grooming, manicures and pedicures.

**Barbering II, III, and IV–2 credits-Grades 11, 12**

Lab Fee: \$25 plus supplies

*Prerequisite: Courses must be taken sequentially. All courses above Hairstyling I require Teacher Recommendation*

Students in the advanced courses of Hairstyling enter into a work study/agreement with the Barber Board of Examiners and work 15 hours per week in a local salon. Students must pay for a student license, materials and supplies. Through the advanced courses, students are able to earn hours towards their state barbering license.

**Oil & Gas Production Operations—1 credit-Grades 11, 12**

The “Basic Production” course will cover the production process from reservoir management to sales. This course will prepare the student for entry level positions in the oil and gas operations field and include course certification from an industry recognized training provider.

**T-2 Safety Systems for Oil & Gas Production—1 credit-Grades 11, 12**

This course is an industry certified course. Upon successful completion, the student will earn industry certification accepted nationwide in federally regulated oil and gas production locations.

**Welding I–2 credits-Grades: 9, 10, 11, 12**

Lab Fee: \$20

Students learn to demonstrate correct welding of stringer beads in the flat, vertical and horizontal positions. They use both AC and DC welding equipment.

**Welding II – 2 credits-**

**Grades: 9, 10, 11, 12**

Lab Fee: \$20

*Prerequisite: Welding I*

Students continue to perfect correct welding skills. They use Metal Inert Gas (MIG) and processes using wire fed machines.

**Occupational Readiness Work Study Program–2 credits-Grades SPED (9-12)**

Lab Fee: \$5

The purpose of this course is to provide opportunities for Special Education and/or Skills Options students to demonstrate positive work habits and behaviors through on the job training or simulated work stations in the classroom lab.

## **Acadiana Technical College Teche Area Campus**

Students must take the COMPASS TEST and attain a minimum score in order to qualify to attend ATC - Teche Area Campus. Arrangements for the test will be made individually once students express an interest in taking courses through registration for the 2014-2015 school year at Jeanerette High School. Pre-registration is required. Register for these courses as you would register for a course at JHS. Students must be at least 16 years old when school begins to attend ATC – Teche Area Campus. Concurrent credit will be awarded – students will receive a Carnegie Unit toward high school graduation as well as credit at ATC – Teche Area Campus. Contact at ATC is Nicole Lopez. Check into ATC! Visit [www.acadiana.edu](http://www.acadiana.edu) or [www.techeareacampus.net](http://www.techeareacampus.net) Phone: 373-0011 ext. 110.

### **ATC COURSE OFFERINGS**

#### **OFFICE OCCUPATIONS ASSOCIATE DEGREE:**

##### ***Accounting Technology***

##### ***Credits awarded based on hours successfully completed at ATC***

The Accounting Technology prepares individuals to provide technical administrative support to professional accountants and other financial management personnel. It includes instruction in posting transactions to accounts, record keeping systems, accounting software operation, and general accounting principles and practices.

##### ***Office Systems Technology***

##### ***Credits awarded based on hours successfully completed at ATC***

The Office Systems Technology prepares individuals to perform the duties of special assistants for business executives and top management. It includes instruction in business communications, principles of business law, public relations, scheduling and travel management, conference and meeting recording, report preparation, office equipment and procedures, office supervisory skills, professional standards, and legal requirements.

##### ***Medical Office Assistant***

##### ***Credits awarded based on hours successfully completed at ATC***

This program prepares individuals to perform tasks related to the management of health information. Students are prepared for positions as medical transcriptionists, medical secretaries, medical file clerks, medical receptionists, or medical office assistants. Strong emphasis is placed on medical terminology and medical transcription. In addition to these skills, office communications, business computer applications, records managements, and office procedures are emphasized.

## **INFORMATION COMMUNICATION TECHNOLOGY:**

### ***Computer/Networking Support***

#### ***Credits awarded based on hours successfully completed at ATC***

The Cisco Networking Academy provides a direct route to industry-standard certification. The program qualifies students to pursue a number of industry standard certifications, including Cisco Networking Associate (CCNA) and Computing Technology Industry Association (CompTIA) Network+ certifications.

### **Trade & Industrial Offerings**

The Air Conditioning/Refrigeration course generally prepares individuals to install, diagnose, repair and maintain the operating condition of domestic, residential, and commercial heating, air conditioning and refrigeration systems.

### ***Carpentry***

#### ***Credits awarded based on hours successfully completed at ATC***

The Carpentry program prepares individuals to apply technical knowledge and skills to lay out, fabricate, erect, install, and repair wooden structures and fixtures using hand and power tools. The program also includes instruction in areas such as common systems of framing, construction materials, estimating, blueprint reading, and finish carpentry techniques.

### ***Drafting & Design Technology***

#### ***Credits awarded based on hours successfully completed at ATC***

The Drafting & Design Technology provides instruction in all traditional drafting techniques and also includes training in the latest technology of computer aided drafting. This program is divided into 2 parts. Part 1 provides students with instruction in fundamental manual drafting skills with introductory training in several drafting disciplines and fundamentals in computer aided drafting. In Part 2, a student selects one or more areas of specialization that includes intensive applications of computer aided drafting.

### ***Electrician***

#### ***Credits awarded based on hours successfully completed at ATC***

The Electrician program generally prepares individuals to install, operate, maintain, and repair electrically-energized systems in all phases of electrical wiring, direct current and alternating current motors, controls, grounding techniques, and electrical distribution panels. It includes instruction on blueprint and schematic reading and interpretation, code applications and requirements, diagnostic procedures, and use of test equipment.

### ***Machine Tool Technology***

#### ***Credits awarded based on hours successfully completed at ATC***

This program prepares individuals to shape metal parts on machines such as lathes, grinders, drill presses, and milling machines. Computer numerical controlled machines are also introduced. This includes making computations for dimensions and cutting feeds and speeds, using precision measuring instruments, laying out parts, and heat treatment of metals.

### ***Welding***

#### ***Credits awarded based on hours successfully completed at ATC***

Welding instruction is provided in various processes and technique of welding including oxyfuel cutting, carbon arc cutting, shielded metal arc welding, gas tungsten arc welding, flux-cored arc welding, gas metal arc welding, pipe welding, plasma arc cutting, weld symbols and joints.

## **ELECTRONICS DEPARTMENT**

### ***Computer Electronics Technology***

#### ***Credits awarded based on hours successfully completed at ATC***

The Computer Technology program prepares individuals to install, program, operate, maintain, service and diagnose operational problems in computers and computer systems arising from mechanical or electrical malfunctions. The program includes instruction in the repair and operation of disk drives, printers, modems, networks, software and software programming.

### ***Industrial Electronics***

#### ***Credits awarded based on hours successfully completed at ATC***

The Industrial Electronics Technology program generally prepares individuals to assemble, install, operate, maintain, and repair electrical/electronic equipment used in business and industry. This course includes instruction, on actual equipment or associated trainers, relating to power supplies, amplifiers, motors, digital and computer circuitry, programmable controllers, computer peripherals, computer networking, general robotic applications, lasers, fiber optics, communication systems, and video systems.

## **MECHANICS DEPARTMENT**

### ***Industrial/Agriculture Mechanics Technology***

#### ***Credits awarded based on hours successfully completed at ATC***

The Diesel Powered Equipment Technology course provides specialize classroom instruction and practical shop experience to prepare individuals for employment as job entry-level diesel powered equipment technicians. The program content includes disassembling engines and replacing parts, fuel injection systems, oil and water pumps, electrical systems, steering and suspension systems, brake systems, drive train, and chassis.

# INDEX

## 3

3-Dimensional Design .....	65
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## A

Accounting Technology .....	70
Advanced Choir .....	66
Advanced Math Functions and Statistics Gifted .....	64
Advanced Math-Functions and Statistics Honors .....	59
Advanced Math-Pre-Calculus.....	59
Advanced Tech. Drafting.....	66
Advanced Wood Technology .....	66
Algebra I.....	59
Algebra I Gifted .....	64
Algebra I Honors .....	59
Algebra II.....	59
Algebra II Gifted .....	64
Algebra II Honors .....	59
Algebra I–Part 2 .....	58
Algebra I–Part I .....	58
American History .....	59
American History Honors.....	60
American History Honors/Gifted .....	64
Anatomy & Physiology.....	61
Anatomy and Physiology.....	61
Art I (Basic Design) .....	65
Art II (Basic Painting).....	65
Art III (Advanced Painting).....	65
Art IV (Jewelry/Ceramics) .....	65
Auto Body Repair I .....	68
Auto Body Repair II .....	68

## B

<b>Band B</b> (Brass Instruments) .....	66
Band P (Percussion) .....	66
Band W (Woodwind Instruments).....	66
Barbering I.....	69
Barbering II, III, and IV.....	69
Basic Technical Drafting.....	66
Basic Wood Technology.....	66
Beginning Choir.....	66
Biology .....	60
Biology Honors.....	61
Biology II.....	60
Biology II Honors.....	61
Business Computer Applications.....	64

## C

Calculus Honors .....	59
Carpentry .....	70
Carpentry I .....	68
Carpentry II .....	68
Chemistry.....	60
Chemistry I Honors .....	61
Chemistry II Honors .....	62

Civics .....	59
Civics Honors.....	60
Civics Honors/Gifted .....	64
Computer Electronics Technology .....	71
Custom Sewing I.....	68
Custom Sewing II.....	68
<b>D</b>	
Drafting & Design Technology .....	70
<b>E</b>	
Electrician.....	70
English I .....	58
English I Gifted .....	63
English I Honors .....	58
English II .....	58
English II Gifted .....	63
English II Honors .....	58
English III .....	58
English III Gifted .....	63
English III Honors .....	58
English IV.....	58
English IV Gifted.....	63
English IV Honors .....	58
Environmental Science.....	60
<b>F</b>	
Family & Consumer Sciences I .....	64
Financial Math .....	59
Fine Arts Survey .....	60
Fine Arts Survey Honors.....	60
First Responder .....	68
Food Services I .....	68
Food Services II .....	68
Forensic Science.....	61
Forensic Science Honors .....	62
French I .....	63
French I Honors.....	63
French II .....	63
French II Honors.....	63
<b>G</b>	
General Automotive TechnicianI .....	68
Geometry .....	59
Geometry Gifted .....	64
Geometry Honors .....	59
<b>H</b>	
Health Education.....	62
<b>I</b>	
Industrial Electronics.....	71
Industrial/Agriculture Mechanics Technology .....	71
Information Communication Technology: Computer/Networking Support.....	70
Introduction to Business Computer Applications .....	64

**J**

Journey to Careers .....65

**M**

Machine Tool Technology .....71  
Medical Office Assistant .....70  
Medical Terminology .....61  
Multimedia Productions (formerly Art Graphics) .....65

**N**

Nursing Assistant I .....68

**O**

Occupational Readiness Work Study Program .....69  
Office Systems Technology .....70  
Outdoor Power Equipment I .....68  
Outdoor Power Equipment II .....69

**P**

PE I .....62  
PE II .....62  
PE III .....62  
PE III Peer Tutor .....62  
PE IV .....62  
PE IV Peer Tutor .....62  
Pharmacy Technician .....61  
Physical Science .....60  
Physical Science Honors .....61  
Physics I .....61  
Physics I Honors .....62  
Physics II Honors .....62  
Principles of Business .....64  
Psychology .....60  
Psychology Honors .....60

**T**

Trade & Industrial Offerings .....70

**W**

Web Mastering .....64  
Weights and Conditioning III .....62  
Welding .....71  
Welding I .....69  
Welding II .....69  
Western Civilization .....60  
Western Civilization Honors .....60  
World Geography .....59  
World Geography Honors .....60  
World History .....59  
World History Honors .....60  
World History Honors/Gifted .....64

