

# **Jefferson Academy High School**



*Course Description Guide  
2006*

*9955 Yarrow St.  
Broomfield, CO 80021  
Phone (720) 887-1992*

**JEFFERSON ACADEMY MISSION STATEMENT**

The mission of Jefferson Academy is to help students attain their highest academic and character potential through an academically rigorous and content-rich educational program that prepares students for the rigor of college.

## Welcome!

Welcome to Jefferson Academy High School. We are thrilled to have you join our high school community. Our goal is to prepare you for the multi-faceted rigors of college and beyond by offering challenging and engaging courses, athletic opportunities and numerous social activities. The information in this course catalog provides an overview of courses that are generally offered at Jefferson Academy High School; some course offerings will change on a yearly basis to allow a broad selection of opportunities to enrich your high school experience.

Similar to college, Jefferson Academy High School requires the satisfactory completion of prerequisite courses in order to enroll in our more advanced courses. JA is committed to providing you with many opportunities to complete several prerequisite courses during your freshman year. You are a priority!

JA is a small school so we must focus our attention...on you. Besides challenging and interesting courses, the JA staff, faculty and administration have the opportunity to get to know each of you individually and are excited to offer personal attention to help you accomplish your high school and post-secondary goals.

On behalf of the Jefferson Academy High School team, welcome to your school!  
We are excited to get to know each and every one of you.

Sincerely,

Tammy Stringari, Principal

Ken Kain, Assistant Principal

Michael Wilson, Dean of Students

Mary Beth Mellott, Guidance Counselor

Angie Rothkamp, Guidance Counselor

# ADMINISTRATION

## Jefferson Academy Faculty and Staff

Phone 720-887-1992      Fax 720-887-2435

Name	Position	Voice Mail Extension
Attendance	Call to report absences	Dial 1
Athletics	Daily athletic updates	Dial 2
Mrs. Tammy Stringari	Principal	0
Mr. Ken Kain	Asst. Principal/Athletic Dir.	304
Mr. Michael Wilson	Dean of Students	313
Mrs. Linda Balogh	Administrative Assistant	301
Mrs. Sharon DesJarlais	Administrative Assistant	300
Mrs. Joan Larson	Administrative Assistant	312
Mrs. Mary Beth Mellott	Guidance Counselor	246
Mrs. Angie Rothkamp	Guidance Counselor	234
Mrs. Lori Buechner	Library/Media	303/469-2388
Mr. Ken Garcia	Building Engineer	307
Mr. Paul Arndt	Band	476
Mr. Jason Arneson	HS Geography	431
Mrs. Dorothy Carmin	District Special Education	437
Mrs. Joan Cordutsky	Math	503
Mrs. Christy Cornell	Math	412
Mrs. April Crawford	Special Education	471
Mrs. Marcella Dasta	Special Education	510
Mrs. Holly Eklund	Math	502
Mrs. Meg Anne Genest	Multimedia	507
Mrs. Heather Grantham	Science	453
Mrs. Julie Hagstrom	Drama/Speech	420
Mr. Eric Henson	English	511
Mrs. Kate Henson	Science	414
Mr. Eric Johanni	Art	446
Mrs. Ceely Ann Lonergan	One-On-One Para	481
Mrs. Katie Morris-Cline	Spanish	438
Mrs. Kevin Porter	History	462
Mrs. Robyn Kehoe-Ramsey	English	407
Mr. Mark Sharpley	Physical Education	451
Mr. Eric Thimsen	History	458
Mr. Eric Thompson	Speech/Language	513
Mr. Rick Winter	Computer Science	409

# INFORMATION

## ACADEMIC LETTER

It is the intention of Jefferson Academy High School to offer Academic Letters on the basis of the following criteria....

- A student must have completed one full year at Jefferson Academy High School.
- A student must carry a minimum of six academic classes in a year.
- Student must receive a 3.8 GPA for the academic year.

## VALEDICTORIAN/SALUTATORIAN REQUIREMENTS FOR THE CLASSES OF 2007 AND BEYOND

The Valedictorian shall be the student with the highest GPA, having successfully completed a minimum of two AP or college level courses, shown outstanding personal character, and participated in at least two full seasons of "extra curricular" activity.

## NCAA ELIGIBILITY REQUIREMENTS

If athletes are planning to enroll in college as freshmen and wish to participate in Division I or Division II athletics, they must be certified by the NCAA Initial-Eligibility Clearinghouse.

### Core Units for NCAA Athletic Certification-2006-2007

	<u>Division I</u>	<u>Division II</u>
English Core	3 years	4 years
Math Core	2 years	2 years*
Science Core	2 years	2 years
Social Studies	2 years	2 years
From English, Math or Science	1 year	2 years
Additional courses (from any area above or foreign language, non-doctrinal religion/philosophy, computer science (please note: computer science is being <b>eliminated</b> as an acceptable core-course area on or after August 1, 2005)	3 years	3 years
<b>TOTAL CORE UNITS REQUIRED</b>	<b>14 Core Classes</b>	<b>14 Core Classes</b>

\*Division I and II certification require 2 years of math, including at least 1 year of algebra and 1 year of geometry (or a course for which geometry is a prerequisite).

### Core Units for NCAA Athletic Certification-2008

	<u>Division I</u>	<u>Division II</u>
English Core	4 years	4 years
Math Core	3 years	2 years*
Science Core	2 years	2 years
Social Studies	2 years	2 years
From English, Math or Science	1 year	2 years
Additional courses (from any area above or foreign language, non-doctrinal religion/philosophy)	4 years	3 years
<b>TOTAL CORE UNITS REQUIRED</b>	<b>16 Core Classes</b>	<b>14 Core Classes</b>

# GRADUATION REQUIREMENTS

## Jefferson Academy High School Graduation Requirements for the classes of 2007 - 2009

<u>Course</u>		<u>Notes</u>
<i>English (Co. Humanities)</i>	<i>4 units</i>	<i>1 unit each year for all four years</i>
<i>Social Studies (Co. Humanities)</i>	<i>4 units</i>	<i>1 unit each year for all four years</i>
<i>Mathematics</i>	<i>3 units</i>	<i>Algebra 1 or higher</i>
<i>Science</i>	<i>3 units</i>	<i>Freshman-Integrated Science Sophomore- Biology, Junior-Physics or Chemistry, Senior-Physics, Chemistry or other Science electives</i>
<i>Foreign Language</i>	<i>2 units</i>	
<i>Technology</i>	<i>1 ½ units</i>	
<i>Physical Education</i>	<i>2 units</i>	<i>4 PE classes or can be fulfilled by 4 complete seasons of interscholastic athletic competition or other organized programs pre-approve and verified by the principal.</i>
<i>Arts</i>	<i>1 ½ units</i>	<i>Drama, music or fine arts</i>
<i>Teen Choices</i>	<i>½ unit</i>	<i>For class of 2009</i>
<i>Study Skills</i>	<i>½ unit</i>	<i>Study skills using a Geography content</i>
<i>**Electives</i>	<i>5 units</i>	
<i>Total Minimum Requirements</i>	<i>27 units*</i>	

*\*Per District Policy IKF: Definition of graduation – the following criteria shall entitle a student to a diploma from Jefferson Academy High School:*

- Achievement in content standards as demonstrated by mastery of the curriculum which may include, but is not limited to daily classroom assignments, the Colorado Student Assessment Program, the district assessment program, classroom assessments, and student participation in, and completion of, assigned projects.*
- Completion of 27 credits in grades **nine through twelve** in the prescribed categories.*

# GRADUATION REQUIREMENTS

## Jefferson Academy High School Graduation Requirements for the classes of 2010 and beyond

<u>Course</u>		<u>Notes</u>
<i>English (Co. Humanities)</i>	<i>4 units</i>	<i>1 unit each year for all four years</i>
<i>Social Studies (Co. Humanities)</i>	<i>4 units</i>	<i>1 unit each year for all four years</i>
<i>Mathematics</i>	<i>4 units</i>	<i>Algebra 1 or higher</i>
<i>Science</i>	<i>3 units</i>	<i>Freshman-Integrated Science Sophomore- Biology Junior-Physics or Chemistry, Senior-Physics, Chemistry or other Science electives</i>
<i>Foreign Language</i>	<i>2 units</i>	
<i>Technology</i>	<i>1 ½ units</i>	
<i>Physical Education</i>	<i>2 units</i>	<i>4 PE classes or can be fulfilled by 4 complete seasons of interscholastic athletic competition or other organized programs pre-approve and verified by the principal.</i>
<i>Arts</i>	<i>1 ½ units</i>	<i>Drama, music or fine arts</i>
<i>Teen Choices</i>	<i>½ unit</i>	
<i>Study Skills</i>	<i>½ unit</i>	<i>Study skills using a Geography content</i>
<i>**Electives</i>	<i>4 units</i>	
<i>Total Minimum Requirements</i>	<i>27 units*</i>	_____

# ENGLISH

## **ENGLISH 9 LITERATURE AND COMPOSITION**

CREDIT: 1  
GRADE 9  
1 TERM

Prerequisite: None

This course will review and build on students' knowledge of mechanics and conventions of the English language. Emphasis will be placed on helping students to refine their writing skills and become more critical editors of their own work. In conjunction with World History I, students will be taught to examine the connections between the Literature and History of a given time period and world area. Literary conventions and criticisms will be emphasized. Written works are selected from the following areas: Mesopotamia, Egypt, Africa, India, China, Japan, Persia and Arabia, Greece, Rome and Medieval Europe. Writing and composition skills are enhanced in preparation for the CSAP exam.

## **ENGLISH 10 LITERATURE AND COMPOSITION**

CREDIT: 1  
GRADE  
10  
1 TERM

10

Prerequisite: None

In conjunction with World History II, this course teaches students to examine the connections between the Literature and History of a given time period and world area. This simultaneous study immerses students in a variety of cultural contexts, giving them a more complete picture of world civilizations. English 10 is the continuation of English 9, and covers the period from 1650 to the recent past. Composition is emphasized, along with the study of literary conventions. Literature is selected from the following periods: The Renaissance, Elizabethan England, The Age of Rationalism, Romanticism and Realism, The Modern World (1880 to 1945), and the Contemporary World (1945 to the recent past). Writing and composition skills are enhanced in preparation for the CSAP exam.

## **ENGLISH 11 LITERATURE & COMPOSITION**

CREDIT: 1  
GRADE 11  
1 TERM

Prerequisite: None

In conjunction with American History, this course teaches students to examine the connections between American Literature and the historical era during which it was produced. This coordinated study immerses students in the cultural context of various periods in American History. Composition will be emphasized, along with the study of literary conventions and criticism. The creation of a uniquely American form of literature will also be examined, as students may draw comparisons and contrasts with the

world literature studied in the 9<sup>th</sup> and 10<sup>th</sup> grade courses. Literature reflects critical periods and issues in American History.

# ENGLISH

## **ENGLISH 12 LITERATURE AND COMPOSITION**

CREDIT: 1  
GRADE

12

1 TERM

Prerequisite: None

With a foundational knowledge from both American and World Literature, students in the senior year analyze several classical works of literature from all parts of the globe. Emphasis is placed on preparing students for the rigor of college, requiring participation in class discussion, thorough examinations of classical literary works, and demonstration of analytical writing skills.

## **ENGLISH LANG AP**

CREDIT: 1  
GRADE: 12  
3 QUARTERS

Prerequisite: Permission of Instructor

In this college-level Literature and Composition course, students develop skills in critical thinking and literary analysis. In addition, students sharpen their writing skills to become more concise and articulate communicators. Summer readings are required, and students should be prepared to manage a college-level workload with this course. Students are expected to take the College Board Advanced Placement Examinations in English Literature and Composition in May. There is a fee for these exams, and students who receive a passing score may receive English credit from the college or university they attend. This course could be in place of English 12.

## **MULTIMEDIA I**

CREDIT:

1

Prerequisite: Permission of Instructor  
Fee for supplies

1 TERM

Students will investigate many forms of multimedia in this course. Topic coverage includes media ethics, journalism, photography, layout and design, graphic design, and digital imaging, all of which are applied to the school yearbook and newspaper publications. The school yearbook is produced electronically through a web-based program and the newspaper is created in Microsoft Publisher, therefore, students will have a hands-on experience utilizing a variety of computer software and technology. This course requires 100% student dedication.

\*\*There is an application process for this class, including recommendations.

# ENGLISH

## **SPEECH**

ELECTIVE CREDIT: .5  
1 QUARTER

Prerequisite: None

Students learn speaking and speech-writing techniques for a variety of situations. Interpersonal communications, both verbal and non-verbal are emphasized, along with informative, persuasive, commemorative and business speaking. Parliamentary procedure and debating styles are also practiced. The study of historical and contemporary speeches and rhetoric is also analyzed and applied to students' own work.

## **SHAKESPEARE**

ELECTIVE CREDIT: .5  
1 QUARTER

Prerequisite: None

This nine-week course will examine the plays of Shakespeare. We will read, act, and study examples from each of the genres – comedy, tragedy, and history – as we will also consider the various film versions and adaptations that have been done of his plays. There is so much to study regarding Shakespeare that we must narrow our focus: we will study his plays as literature and consider the impact this brilliant playwright continues to have on our culture.

# SOCIAL STUDIES

## **WORLD HISTORY I**

CREDIT: 1  
GRADE 9  
1 TERM

Prerequisite: None

The World History I curriculum simultaneously combines the study of literature, history, art and music spanning from prehistory to approximately 1650 AD. The continuation of this course is History II, offered in the sophomore year. Combining the study of these four subjects allows students to understand many disciplines more fully. The goal of this course is to develop in students the ability to see the relationship between a given time period and the literature, art, and music during that time. Further, students will be able to write and speak about, discuss, compare and draw relationships between different time periods, cultures, and philosophies.

## **WORLD HISTORY II**

CREDIT: 1  
GRADE 10  
1 TERM

Prerequisite: None

The World History II curriculum simultaneously combines the study of literature, history, art and music spanning from approximately 1650 AD to the recent past. This course is the continuation of History I, offered in the freshman year. Combining the study of these four subjects allows students to understand many disciplines more fully. The goal of this course is to develop in students the ability to see the relationship between a given time period and the literature, art and music produced during that time. Further, students will be able to write and speak about, discuss, compare and draw relationships between different time periods, cultures, and philosophies.

## **AMERICAN HISTORY**

CREDIT: 1  
GRADE 11  
1 TERM

Prerequisite: None

The goal of the A.D. 1492-1876 course is to identify eternal principles (economic, political, social, intellectual, military, etc.) by studying American History. Lessons drawn from such a study is the only thing which makes past events relevant to choices faced by students today. When history repeats itself, it is not the names, dates or places. Such facts are only important in so far as they illuminate the wisdom that history has to teach.

## **9<sup>TH</sup> GRADE STUDY SKILLS WITH A GEOGRAPHY CONTENT**

CREDIT: .5  
GRADE: 9  
1 QUARTER

Prerequisite: None

Using basic geographical content, students will learn to take notes, create outlines and concept maps, study for exams and other basic study skills. Students will analyze the physical and human characteristics of places and regions, interactions between human and physical systems, as well as physical processes. Emphasis will be placed on map creation and using geographic tools.

# SOCIAL STUDIES

## **AMERICAN GOVERNMENT**

Prerequisite: None

CREDIT: .5  
GRADE 12  
1 QUARTER

Students study the functions of American government, from its inception to its present form. The role of state, county and local government within the federal system is analyzed. Essentials of citizenship are emphasized, and important historical issues serve as examples of the political process.

## **ECONOMICS**

Prerequisite: None

CREDIT: .5  
GRADE 12  
1 QUARTER

The study of economic laws, creation of wealth, and the effect of different types of market conditions on human activity locally, nationally and globally are emphasized in this course. Students study fundamental economic principles and the writings of influential economic thinkers including millionaires, and different business entrepreneurs.

## **EUROPEAN HISTORY AP**

Fee for exam

Fee: Textbook fee for students wishing to purchase their own copy

CREDIT: 1  
GRADES 11,12  
3 QUARTERS

The AP European History course is designed to convey a basic understanding of historical movements, while developing a variety of critical thinking skills. Students will uncover the central themes in European History, learn to analyze and interpret historical evidence, and refine their writing skills as they express historical reasoning and examine historical arguments. Emphasis will be placed on historiography, or understanding the motives, bias and cultural perspectives that influence the historical record. Students are expected to take the AP European History exam in May. With a passing score, colleges may grant credit for this course, or allow a student to pass out of an introductory Western Civilization or European History requirement.

## **PSYCHOLOGY**

Prerequisite: None

ELECT CREDIT: .5  
GRADES 10, 11, 12  
1 QUARTER

Students in this survey course explore human behavior, cognition and social interaction from a variety of perspectives. General areas of study include the brain and the senses, cognition, motivation, emotion, human development, personality, gender, social psychology and mental disorders. The design of psychological experiments is studied, and validity and reliability of research findings is analyzed. They will complete the Mega Memory program which will prepare them to be successful in their other courses as well.

# SOCIAL STUDIES

## **WORLD REGIONAL GEOGRAPHY**

ELECTIVE CREDIT: .5  
GRADES 10, 11, 12  
1 QUARTER

Prerequisite: None

Fee: All materials purchased through Front Range Community College  
Optional fee for college credit

This course introduces the spatial patterns between and among the geographic regions of the world. With this introduction, students will discover and develop a deeper understanding of the relationships between people, places and environments. Students who pay the fee may receive college credit upon satisfactory completion of this course through either Front Range Community College or Red Rocks Community College. Topics include demographic and cultural (political, economic and historic) forces as they relate to the physical environments of selected regions.

# MATHEMATICS

## **ALGEBRA 1**

CREDIT: 1  
1 TERM

Students will learn to demonstrate proficiency in the four basic math operations (addition, subtraction, multiplication, and division) with rational numbers and algebraic expressions. Students will manipulate, solve, and evaluate linear and quadratic equations with one variable. They will also learn to correctly graph ordered pairs on a coordinate system, interpret graphs of linear functions, write and manipulate linear, quadratic and exponential functions, and manipulate linear equations in two variables. The course will culminate with quadratic equation factoring.

## **GEOMETRY**

CREDIT: 1  
1 TERM

Students will learn both planar and solid geometry. Some specific topics covered will be lines, angles, triangles, polygons, circles, similarity, congruency, transformation, constructions, deductive and inductive reasoning (proofs).

## **STATISTICS**

CREDIT: .5  
1 TERM

Prerequisite: Successful completion (C or better) of Geometry or permission of Instructor

This course will provide an introduction to probability and combinatorics. Topics will also include data collection, analysis, statistical inference, regression, correlation, and confidence intervals. These techniques will be heavily applied to the social sciences.

## **ALGEBRA 2**

CREDIT: 1  
1 TERM

In this course students will continue their pursuit of formal mathematics. Students will explore algebra beyond its elementary aspects. Topics will include: number sets, real and imaginary numbers, equations and inequalities, linear relations and functions, systems of equations, quadratic relations and functions, exponential and logarithmic functions, conics, polynomials and polynomial functions, statistics and probability and trigonometric functions.

# MATHEMATICS

## **TRIGONOMETRY**

Prerequisites: Successful completion (C or better) of Algebra 2 or permission of Instructor

CREDIT .5  
1 QUARTER

Students will be able to understand the concepts of right triangle ratios, trigonometric functions and their graphs, vector operations, polar coordinates, and complex numbers and their graphs. Students will use graphing calculator technology to support their understanding of the relationship between a function and its graph, as well as to evaluate the functions numerically. The course will focus on applying the learned material to real-world problems involving these concepts. A graphing calculator is required for this course.

## **PRE-CALCULUS**

Prerequisites: Successful completion (C or better) of Trigonometry or permission of instructor

CREDIT: .5  
1 QUARTER

This class will involve recursion and induction, an introduction to the derivative in calculus and its meaning in physical systems, combinatorics, graphs and circuits, and the integral in calculus. The course stresses abstract thinking and problem solving using discrete mathematics. A graphing calculator is required for this course.

## **ALGEBRA 3**

CREDIT: 1  
1 TERM

Students will apply algebra concepts used in business, the social sciences and liberal arts. The algebra concepts include functions, systems of linear equations and inequalities, linear programming, matrices, sequences, series, and the beginning elements of probability, statistics, and trigonometric functions. Students will work with graphing calculators to complete and express their results.

## **CALCULUS AP**

Fee for exam

Prerequisite: Instructor permission

CREDIT: 1  
1 TERM OR 45 MIN. ALL YEAR

Advanced Placement Calculus is an intense college-level course in which students are instructed in Calculus with a single variable. Course topics include: definitions, representations, and transformations of functions; concepts of limits; rates of change; continuity; tangents; derivatives of functions; differentiation; asymptotes and their implications; optimizations; anti derivatives; definite integrals; applications of integration including areas between curves, volumes, work and average value of a function. The use and definitions of inverse functions will be covered. This topic includes exponential functions and their derivatives; logarithmic functions; natural logarithmic functions; exponential functions; and inverse trigonometric functions. Graphing calculators are required. Students are encouraged to take the AP Calculus AB Exam in May. Students who perform sufficiently well on the exam may be granted Calculus credit from the college or university they attend. There will be a fee for the final exam.

# SCIENCE

## **INTEGRATED SCIENCE**

CREDIT: 1  
GRADE 9  
1 TERM

Prerequisites: None  
Fee: Lab Fee

Integrated Science is a laboratory/lecture science course in which students study the dynamic systems of Earth and space. The topics include the composition and dynamics of the Earth, shaping of the Earth's surface, the Earth's weather and how it forms, oceans, stars, galaxies, and planets. Students will demonstrate application of the District Content Standards through laboratory work and written assignments. Students will be introduced to the general concepts of Chemistry and Physics.

## **BIOLOGY**

CREDIT: 1  
GRADE 10  
1 TERM

Prerequisite: Earth Science

Fee: Lab Fee

Biology is a lab science course that focuses on both the unity and diversity of life. A variety of concepts are covered at the molecular level including the cell, photosynthesis and cellular respiration, protein synthesis and genetics. The second half of the course focuses on the study of organisms from each of the 5 kingdoms and an extensive study of the human body. Finally students learn about the environment and the way we humans are affecting it.

## **CHEMISTRY**

CREDIT: 1  
GRADE 11, 12  
1 TERM

Prerequisites: Geometry or concurrent enrollment in Geometry  
Fee: Lab Fee

This is a class designed as a standard college preparatory course. It will focus more on the qualitative aspects of chemistry than the quantitative. It is a (laboratory-oriented) course designed to introduce students to basic chemical concepts including basic atomic structure, chemical bonding, oxidation and reduction, rates of reactions, solution chemistry, and chemical equilibrium. The laboratory component uses a sophisticated system of computerized data collection and analysis to incorporate a technology component into the curriculum. Having students deal with abstract concepts will sharpen problem solving skills and mathematical reasoning. A scientific calculator is required for this course.

## **ANATOMY/PHYSIOLOGY**

CREDIT: 1  
GRADE 11, 12  
1 TERM

Prerequisites: None  
Fee: Lab Fee

This course is designed to give students an introduction of anatomy and physiology. Students will be expected to learn and understand the structures and functions of the human body systems as well those of other organisms. The topics of study will include, but not be limited to, biochemistry, cytology, histology, the 11 body systems and

development and inheritance. Laboratory activities will be supplemented by reading and writing assignments as well as projects.

# SCIENCE

## **GENETICS**

Fee: Lab Fee

ELECTIVE CREDIT: 1  
GRADES: 10,11,12  
1 TERM

This course will explore the many fascinating aspects of genetics and genetic technology. This will include DNA analysis, genetic disorders and mutations, forensics, and genetic therapy. The course will involve case studies, reading, writing, research and problem solving.

## **TEEN CHOICES**

ELECTIVE CREDIT: .5  
GRADES 9  
1 QUARTER

This course is required for all 9<sup>th</sup> graders. The class will cover health topics and topics generally related to teen wellness. The unit on health can be opted out of per parent request.

## **PHYSICS**

Prerequisites: Enrollment in Algebra II, Instructor Permission  
Fee: Lab Fee

ELECTIVE CREDIT: .5  
GRADES 11,12  
1 TERM

This course deals with the fundamental properties of matter and energy. The physical laws that describe the interaction of bodies in motion or at rest throughout the universe will be studied. Students will learn about motion, optics, waves, momentum, energy, electromagnetic theory, and light. The coursework will explore the fundamental relationships between mathematics and description of linear and circular motion as well as colliding bodies. This course includes a significant technology component as all laboratory experiments are performed using a laptop-based data acquisition system. The students will occasionally be required to design experiments to test particular principle.

# FOREIGN LANGUAGE

## **FOREIGN LANGUAGE CLASSES MUST BE TAKEN SEQUENTIALLY**

### **SPANISH 101**

CREDIT: 1  
1 TERM

Prerequisite: None  
Fee: Workbook Purchase

Spanish 101 is an immersion course at Jefferson Academy. Students will learn daily survival skills, courtesies and simple descriptive skills in Spanish. Oral and written work will include asking and responding to simple questions regarding daily life. Students will learn to read simple passages in the target language using authentic materials. Students will write, create and produce presentations. Students will hear authentic Spanish and will comprehend materials on familiar subjects at normal speed. The goal is spontaneous and flexible expression. Expression will include understanding of present, past and future tenses. Students will explore the cultures of the countries where Spanish is used. Students will complete a final exam consisting of a ten minute interview in Spanish with the teacher.

### **SPANISH 201**

CREDIT: 1  
1 TERM

Prerequisite: Spanish 101  
Fee: Workbook Purchase

Spanish 201 is an immersion course at Jefferson Academy. The goal is increased proficiency and fluency in Spanish. Students will be required to speak Spanish in the classroom daily. Students will read authentic materials and write structured compositions about familiar topics. Students will create skits, plays, and presentations in Spanish and perform them for a variety of audiences. Expression will include understanding of present, past, future and subjunctive tenses. Students will increase cultural competency and awareness.

### **SPANISH 301**

CREDIT:1  
1 TERM

Prerequisite: Spanish 201  
Fee: Workbook Purchase

Spanish 301 is an immersion course. The goal is superior fluency and proficiency in Spanish. Students will be required to speak only Spanish in the classroom. Students will read authentic Spanish literature and write structured compositions about increasingly abstract concepts. Students will write skits, plays, and presentations in Spanish and perform them for a variety of audiences. Expression will include understanding of all Spanish verb tenses. Students will increase cultural competency and awareness through exposure to authentic media sources, contact with Spanish speaking populations, and the study of culture and literature of Spanish speaking populations. The final exam for this course will be an exit interview with the instructor .

# FOREIGN LANGUAGE

## **SPANISH 401**

CREDIT: 1  
1 TERM

Prerequisite: Spanish 301  
Fee: Workbook Purchase

Students in the fourth year course of study will manipulate Spanish with increased proficiency and ease. Students will communicate in more complex and unfamiliar situations. Student initiated conversation will demonstrate abilities to manage more complex situations, give explanations, and make comparisons. Students will write compositions presenting familiar topics, summaries, and short narratives. Students will continue to read a variety of increasingly complex literary works in Spanish, and will increase their knowledge of idiomatic language. Students will demonstrate knowledge of Spanish grammar in oral and written work. Students will increase cultural awareness and will demonstrate knowledge of specific cultural behaviors, expectations, and conventions. Students will create original works of fiction, prose, and poetry. Students will write, produce, and perform in original dramas. All communication in class will be in Spanish.

## **SPANISH AP**

CREDIT: 1  
1 TERM OR  
45 MINUTES /YEAR LONG  
OR 3 QUARTERS

Prerequisite: Spanish 4 and/or proficiency pre-requisite exam  
Fee: Workbook Purchase

Students in the fifth year course of study will manipulate Spanish with increased proficiency and ease. Students will communicate in more complex and unfamiliar situations. Student initiated conversation will demonstrate abilities to manage more complex situations, give explanations, and make comparisons. Students will write compositions presenting familiar topics, summaries, and short narratives. Students will continue to read a variety of increasingly complex literary works in Spanish, and will increase their knowledge of idiomatic language. Students will demonstrate knowledge of Spanish grammar in oral and written work. Students will increase cultural awareness and will demonstrate knowledge of specific cultural behaviors, expectations, and conventions. Students will create original works of fiction, prose, and poetry. Students will write, produce, and perform in original dramas. All communication in class will be in Spanish. The final for this class will be successful completion of the AP exam or classroom final.

# TECHNOLOGY/COMPUTER

## **COMPUTER APPS (OFFICE I)**

Class fee

CREDIT: .5

Prerequisite: None

1 QUARTER

(Formerly Microsoft Office) Computer Apps is the most used application software in business and education today. This course provides the student with the proper knowledge, skills and procedures to create documents, workbooks, databases, and presentations using Microsoft Word, Microsoft Excel, Microsoft Access, and Microsoft PowerPoint. Students will have the opportunity to gain certification with Microsoft through the MOS (Microsoft Office Specialist) program. When students take the MOS exam, they may apply for college credit. MOS certification also looks great on a resume.

## **COMPUTER APPS ADV (OFFICE II)**

Class fee

CREDIT: .5

Prerequisite: None

1 QUARTER

This course offers a deeper study of the Microsoft Office including Word, Excel, Access, and PowerPoint. The knowledge gained from Computer Apps will be deepened as students learn more functions available in each application. Students will take an additional MOS (Microsoft Office Specialist) exam, and if they pass, will receive a certificate directly from Microsoft. When students pass the MOS exam, they can receive college credit and can wow potential employers with additional certifications on a resume.

## **WEB COMMUN/DESIGN (HTML)**

Class fee

CREDIT: .5

Prerequisite: Office I

1 QUARTER

(Formerly HTML - Hypertext Mark Up Language) This class provides students with the proper knowledge, skills and procedures to create HTML documents suitable for developing Web pages. They will learn common Web page formats and functions such as HTML tags, hyperlinks, images, tables, image maps, frames, and forms.

## **VIDEO PRODUCTION (FLASH)**

Class fee

CREDIT: .5

Prerequisite: Office I

1 QUARTER

Video Production (Macromedia Flash) offers a fun learning experience because it allows the students to create animations, games, change user interfaces, Web message areas, and Internet applications. They will learn the basics of Flash which include learning the Flash environment, drawing objects, working with symbols and interactivity, creating animations, and creating special effects. If time permits, students will prepare and publish movies and complex animations.

## **VIDEO PRODUCTION B (FLASH 2)**

Class fee

CREDIT: .5

Prerequisite: Video Production

1 QUARTER

This is a more advanced class of Video Production. Students will create more in-depth projects with more complex animations and interactivity.

# TECHNOLOGY/COMPUTER

## **INTERNET FUNDAMENTALS (DREAMWEAVER)**

Class fee  
Prerequisite: Office I

CREDIT: .5  
1 QUARTER

Internet Fundamentals (Macromedia Dreamweaver) allows students to quickly create Web pages without writing the code in HTML. In this class students learn the Dreamweaver workspace, develop a Web Page, and work with text, graphics, links, tables, and forms. If time permits, they will use style sheets, create layers, and add multimedia elements.

## **GRAPHIC ILLUSTRATE (VIDEO GAME DEVELOPMENT)**

Class fee  
Prerequisite: Office I

CREDIT: .5  
1 QUARTER

One of the favorite pastimes for students is to play video games. In this class students will create their own games using an easy-to-learn programming language. Students will first create a story and then add game features such as text, graphics, sound, and animation.

# PHYSICAL EDUCATION

## **INDIVIDUAL/DUAL SPORTS (BASKETBALL)**

CREDIT: .5  
1 QUARTER

Prerequisite: None  
Fee: Uniform

This course focuses on the instruction of fundamental skills to become a complete basketball player. Students will demonstrate competency in the skill progression of each aspect of the game. This allows students to demonstrate an understanding in integrating the skills into game situations. Students will learn shooting mechanics such as preparation, proper footwork, and hand/elbow positioning. The course will include the understanding of offensive and defensive schemes. Students will also be introduced to ball handling, different shot types, and drills to advance their game.

## **LIFETIME FITNESS (BASKETBALL/VOLLEYBALL)**

CREDIT: .5  
1 QUARTER

Prerequisite: None  
Fee: Uniform

The course will focus on the fundamentals of basketball and volleyball programs. The goals will be to provide the student with the knowledge and the ability to execute basic skills and strategies associated with basketball and volleyball. Related components of advanced techniques and player development will be emphasized. (Health related) elements of fitness will include cardiovascular development, endurance and flexibility.

## **WEIGHT TRAINING-SPORTS**

CREDIT: .5  
1 QUARTER

Prerequisite: None  
Fee: Uniform

This class combines weight lifting and exercises to allow students to demonstrate coordination, abdominal strength, and muscle toning. The course will include (performance-related) components of fitness such as: balance, speed, agility, power, coordination, and reaction time. (Health-related) elements of fitness included are cardiovascular development, endurance, and flexibility. Students will complete a class portfolio to track their progress.

# PHYSICAL EDUCATION

## **RECREATIONAL SPORTS**

CREDIT: .5  
1 QUARTER

Prerequisite: None  
Fee: Uniform

This course involves instruction in fundamental skills for various team sports allowing for a participation in a lifetime of recreational activities. Students will demonstrate an understanding of the value of health, daily fitness, and the development of a game environment and understand the context and setting for various contests. Development of cardiovascular fitness and other components of physical fitness will also be emphasized.

## **TEAM SPORTS**

CREDIT: 1.0  
1 QUARTER

Fee: Uniform

All 9<sup>th</sup> graders will take this course. Other students can take this semester-long course. This course involves instruction in fundamental skills for various team sports, allowing for a participation in a lifetime of recreational activities. The class also combines weight lifting and exercises to allow students to demonstrate coordination, abdominal strength, and muscle toning. Students will demonstrate an understanding of the value of health, daily fitness, and the development of a game environment and understand the context and setting for various contests. Development of cardiovascular fitness and other components of physical fitness will also be emphasized.

# ART

## **ART EXPERIENCE**

Fee: Class fee

CREDIT: .5  
GRADE 9  
1 QUARTER

This class is a foundation art course required of all incoming freshmen. The course will establish a basic understanding of the art elements, drawing, 2-D design, 3-D design, and ceramics. Starting with the class of 2008 successful completion of Art Experience is required in order to take further art courses.

## **DRAWING**

Fee: Class fee

Prerequisite: Art Experience

CREDIT: .5  
NON-REPEATABLE COURSE  
1 QUARTER

Drawing is an introductory course in the understanding of drawing from the right side of the brain. It follows the philosophy that drawing can be a trained skilled and not necessarily a natural talent.

## **ART 3-DIMENSIONAL (FORMERLY 3-D DESIGN)**

Fee: Class fee

Prerequisite: Art Experience

CREDIT: .5  
REPEATABLE COURSE  
1 QUARTER

Art 3-D is a basic course in sculpture and 3-dimensional art. Students will explore several different mediums including wire, plaster, clay and paper. Projects will follow Bauhaus theories of form and function.

## **PRINTMAKING**

Fee: Class fee

Prerequisite: Art Experience

CREDIT: .5  
REPEATABLE COURSE  
1 QUARTER

Printmaking explores concepts of reproducible 2-dimensional art. Students become familiar with mono printing, relief printing, and serigraphy skills. They will also learn about paper and book making in this course.

## **CERAMICS**

Fee: Class fee

Prerequisite: Art Experience

CREDIT: .5  
REPEATABLE COURSE  
1 QUARTER

Ceramics studies the use of clay in both functional and fine art. Students will learn about hand building, and wheel forming. They will also become familiar with firing and glazing of finished pieces. Each class will work on a group piece that will be installed in the school.

## **GRAPHIC ARTS**

Fee: Class fee

Prerequisite: Art Experience

CREDIT: .5  
NON-REPEATABLE COURSE  
1 QUARTER

Formerly known as Digital Art, Graphic Arts is an introductory course in the use of Adobe Photoshop 7.0 software. Students will learn to use the software for both fine art and commercial applications. In addition, students will study graphic and 2-D design elements.

# ART

## **GRAPHIC ARTS B (DIGITAL PHOTO)**

CREDIT: .5  
NON-REPEATABLE COURSE  
1 QUARTER

Fee: Class fee

Prerequisite: Art Experience & Graphic Art

Graphics Arts B is a foundation course in traditional and digital photography. While J.A. is without a darkroom, traditional understanding of cameras, light and processing will be studied. This understanding will be applied to the use of contemporary digital cameras. Successful completion of Graphic Arts is required, as we will make extensive use of Photoshop 7.0 in this course. Students will be encouraged to provide their own digital camera (types to be discussed on the first day).

## **PAINTING I**

CREDIT: .5  
NON-REPEATABLE COURSE  
1 QUARTER

Fee: Class fee

Prerequisites: Art Experience and Drawing

This course builds on the observational rendering skills acquired in Drawing, but applies theme to the medium of paint. Watercolor, Acrylic and Oil paints will be demonstrated and used over the quarter. Color theory and art history will also be discussed.

## **ART 2- DIMENSIONAL (FORMERLY COLLAGE)**

CREDIT: .5  
REPEATABLE COURSE  
1 QUARTER

Fee: Class fee

Prerequisites: Art Experience

Art 2-Dimensional, formerly known as Collage, is a course in non-traditional alternative process photography. Students will learn how to use photographic images in their art without the use of a camera or darkroom. Many 2-D design skills will also be implemented in this course.

## **SCULPTURE**

CREDIT: .5  
REPEATABLE COURSE  
1 QUARTER

Fee: Class fee

Prerequisite: Art Experience

Sculpture is an exploration in form and narrative. Student will work with visual imagery in a 3D manner. Several materials and techniques will be studied. Art history will be studied as it applies to the course.

## **JEWELRY**

CREDIT: .5  
REPEATABLE COURSE  
1 QUARTER

Fee: Class fee

Prerequisite: Art Experience

Jewelry looks at forms of wearable art and fashion. Students will use a variety of materials to create their own accessories and clothing designs. Fashion history and trends will be studied to aid the design process.

# MUSIC/PERFORMING ARTS

## **BAND JAZZ I**

Fee: Class fee  
Prerequisites: Audition, teacher approval

GENERAL ELECTIVE - 9<sup>th</sup> HOUR  
CREDIT: 1  
1 TERM or 45 MINUTES ALL YEAR  
MAY BE TAKEN MORE THAN ONCE

The students will use basic musicianship skills developed in private lessons or previous study to explore and perform many different styles of music from various cultures around the world, including swing, jazz, reggae, Latin rock, fusion, and many others. Students will also be involved in small groups to improve ensemble performance skills and solo skills. The ensemble performs in two concerts a year as well as varied performances for school assemblies and festivals. This class will be offered outside normal school hours.

## **GUITAR**

Fee: Class fee  
Prerequisite: None

GENERAL ELECTIVE – 0 HOUR  
CREDIT: 1  
MAY BE TAKEN MORE THAN ONCE  
1 TERM or 45 MINUTES YEAR LONG

This class is for students who would like to learn how to play the guitar or advance their guitar playing skills. Students will learn tuning, chords, strumming, picking, PIMA, and will cover all music genres. Not recommended for advanced students. This class may be offered outside normal school hours.

## **THEATER ARTS**

Fee: Class fee  
Prerequisite: None

GENERAL ELECTIVE  
CREDIT: .5  
1 QUARTER

This course is designed to give students a strong background in the theory and practice of theatre arts. This course also provides an introduction to acting. This course covers the history, structure, appreciation and production of drama.

## **ACTING**

Fee: Class fee

ELECTIVE CREDIT: .5  
MAY BE TAKEN MORE THAN ONCE  
1 QUARTER

The acting course will explore how the shape of a play is affected by the political, social and philosophical viewpoints of the author and its period. The course will explore scripts from the Classical Period through Twentieth Century drama. Students will understand theater styles such as realism, revolution, absurdist drama, African-American drama and experimental theater. This course offers the unique opportunity for the student to author and perform their own work.

# SPECIAL PROGRAMS

## **STUDENT GOVERNMENT**

Prerequisite: Elected, teacher recommended and interview

CREDIT: 1  
FULL YEAR COURSE  
45 MINUTES - ZERO HOUR

Student government is composed of responsible and motivated student leaders who wish to be actively involved in establishing and maintaining communications within the school and promoting and maintaining school pride and spirit. Elections take place in the spring for terms to be served the following year.

## **TEACHER AIDE**

Prerequisite: Teacher Permission

CREDIT: .5  
1 QUARTER  
10-12 GRADES

This option provides an opportunity for students to receive practical work experience with various subject area teachers. Students must arrange enrollment in advance by filing out an application. No more than .5 unit may be earned per semester, and no more than 1 unit in high school. Students must have a 3.0 cumulative GPA.

## **TA OFFICE**

Prerequisite: Permission of Office Staff

CREDIT: .5  
1 QUARTER  
10-12 GRADES

Students will learn a variety of office procedures. Students will be answering phones, delivering messages, filing, sorting mail and learning a variety of other skills. Exemplary attendance and professionalism is required. No more than .5 unit may be earned per semester, and no more than 1 unit in high school. Students must have a 3.0 cumulative GPA and fill out an application.

## **ELEMENTARY TUTORING**

Prerequisite: Permission of Counselor

CREDIT: .5  
10 - 12 GRADES  
1 QUARTER

Students will work with individuals or small groups of children in the elementary or junior high. The tutor will assist the children in areas including reading, writing, math and other projects. Professionalism, confidentiality and responsibility are vital for success. Students must have a 3.0 cumulative GPA and meet with the High School Guidance Counselor.

## **PEER COUNSELING TRAINING**

Prerequisite: Permission of Counselor

CREDIT: .5  
10 - 12 GRADES  
1 QUARTER

Students will receive special training in mentoring students that are younger than themselves. This program is for students interested in learning how to help their peers through advisement, tutoring, mentoring and peer mediation. Many teen topics will be covered in this course. Students must submit an application into this program and be recommended by the counselor, assistant principal or principal.

## **PEER MENTOR**

Prerequisite: Permission of Counselor

CREDIT: .5  
10 - 12 GRADES  
1 QUARTER

Students will receive special training in mentoring students who are younger than themselves. On a rotating schedule, mentors will be available to assist students with personal and academic issues. Students will also attend class daily to help them gain the skills necessary for mentoring others.

# MISCELLANEOUS

## **SENIOR SEMINAR**

Prerequisite: Senior

ELECTIVE CREDIT: .5  
1 TERM

This course is a capstone senior experience encompassing a comprehensive and integrative project and presentation. The course also covers career development, college exploration scholarship writing and essential skills to prepare students for their post secondary experience.

## **BUSINESS FUNDAMENTALS**

ELECTIVE CREDIT: .5  
1 QUARTER

The students will develop basic business knowledge skills, combined with the ability to understand business language and concepts. The course goals will be to provide the students the ability to understand the areas of our circular flow of economy, the private enterprise system, global and national economy, supply and demand theories, small business, and planning a career in today's world. Guest speakers will take time to instruct students about career goals. The students will study leadership, teamwork, and accountability. Group projects, debates, and participating in the game Cash Flow will be included in the course.

# SPECIAL EDUCATIONAL OPPORTUNITIES

## **POST-SECONDARY OPTIONS**

Students in their Junior or Senior year may apply for enrollment in post-secondary courses by meeting with the Guidance Counselor. At the time of this printing this program is under State review due to the college opportunity fund. Please call the counseling office.

## **WARREN TECH**

Warren Tech, the technical high school for Jefferson County Schools, is the springboard to a multitude of careers. Students interested in gaining a competitive edge in the job market or in preparing for higher education can enroll in a variety of programs. Any student who is 16 years old is eligible to attend.

**How to apply:** If you are interested in applying to Warren Tech, you should speak first to your counselor so she may share with you the programs that are available. The next step is to fill out an application. Return the application to your counselor who is the liaison to Warren Tech. Warren Tech will notify you by mail when you have been accepted. Registration information sent to you will explain the next steps to take. See the Guidance Counselor for specific times that a program is offered.

## **EXECUTIVE INTERNSHIP PROGRAM**

The Executive Internship Program is an opportunity for seniors who have a minimum of a 3.0 GPA to do an internship with a business. This would be counted as elective credit per the Jefferson County guidelines. Please see the Guidance Counselor for more information.

## **LEARNING STRATEGIES**

Jefferson Academy offers academic assistance to students who qualify with a current IEP. See the Guidance Counselor or Special Education staff for more information.

# STUDENT ORGANIZATIONS

## **STUDENT GOVERNMENT**

The Student Government is made up of four elected students from each class as well as three Student Body representatives elected by the entire school. Student Government designs, plans and implements student activities such as Homecoming week and dance, Winter dance, Prom, and class sponsored events (i.e. laser tag, skiing, movie night). They are involved in community service projects, and develop and take charge of all fundraisers associated with the above events. Freshman elections take place in September.

## **YOUTH ADVISORY COMMITTEE**

This committee is hand selected by the faculty to participate in Jefferson County School Districts Youth Advisory Council for Safe and Drug Free Schools. These students attend quarterly meetings at the district level. They also plan and implement Red Ribbon Week at the elementary level. These students will sponsor at least one speaker each year.

## **NATIONAL HONOR SOCIETY**

Students in 11<sup>th</sup> and 12<sup>th</sup> grade who have a cumulative GPA of 3.0 or greater by the spring of their sophomore year are invited to apply to the Jefferson Academy National Honor Society. Students who are selected (based upon character, leadership, service and scholarship) work on individual and group community service projects. These students are eligible for many scholarships for college.

## **PEER MENTORING**

This program is for students who are interested in helping their peers through advisement, tutoring, mentoring and peer mediation. Students must be grade 11 or 12, and must be recommended by the counselor, assistant principal or principal.

## **PERFORMING ARTS**

The extracurricular performing arts group presents a large production each spring. All students are encouraged to audition for a role and/or participate in one of the many areas that make this production successful including set design, technical and stage crews.

## **SPANISH CLUB**

All students enrolled in Spanish are encouraged to participate in this extracurricular enrichment group. Focus is on exploring the many aspects of Spanish culture.

## **MATH/SCIENCE CLUB**

If you love math and science, come and join the club! Many fun activities are done in math and science. Personal passions are encouraged.

