Meigs High School

Course Guide

2020-2021 SCHOOL YEAR

How to Request Courses Online

- **Students log into their Infinite Campus (IC) Account**
- **Click the "More" tab on the left-hand side.**
- **Click on "Course Registration"**
- **Then click on 20-21 Meigs High School**
- **Click the blue "Add Course" tab.**
- **Then type in the name of the course that you are wanting to request.**

Required Courses by Grade for 20-21 School Year

Freshman Year

English – 1 credit (All year)
Mathematics – 1 credit (All year)
Physical Science – 1 credit (All year)
World History – 1 credit (All year)
PE – ¼ credit (1 semester)
Transitions and Careers – ½ credit (1 semester)
Elective – 2 credits (semester or full year courses)

Sophomore Year

English – 1 credit (All year)
Mathematics – 1 credit (All year)
Biology – 1 credit (All year)
American History – 1 credit (All year)
PE – ¼ credit (1 semester)
Health – ½ credit (1 semester)
Elective – 2 credits (semester or full year courses)

Junior Year

English – 1 credit (All year)
Mathematics – 1 credit (All year)
Science – 1 credit (All year)
Government – 1 credit (All year)
Elective – 3 credits (semester or full year courses or a Career Tech Program)

Senior Year

English – 1 credit (All year)
Mathematics – 1 credit (All year)
Economics – ½ credit
Senior Seminar – ½ credit
Elective – 4 credits (semester or full year courses or a Career Tech Program)

Course Offerings and Descriptions
For the 2020-2021 School Year

Language Arts

Students are required to complete four units of English to meet the graduation requirements for the State of Ohio.

English 1 Course # 4000A/4000B
(9th grade)- This course is divided into six units. Students will study the elements of a short story, novel, poetry, drama, epic poetry, and memoir. Throughout the course, there will be a strong focus on the writing process, grammar, spelling and mechanics. Vocabulary acquisition will occur through class readings and weekly spelling tests. Presentations may be required. Accelerated Reader is used quarterly throughout the school year. One 250-page book is required each quarter for AR. Library usage for reports and research, as well as leisure, will be encouraged.

CP English 1 Course # 4005A/4005B
(9th grade)- This course is divided into six units. Students will study the elements of a short story, novel, poetry, drama, epic poetry, and memoir. Throughout this more rigorous course, there will be a strong focus on the writing process, grammar, spelling and mechanics. A more rigorous and involved grammar unit will occur in the CP course with an emphasis on sentence diagramming. Vocabulary acquisition will occur through class readings and weekly, accumulative spelling tests. Individual and group projects will be assigned often for each unit. Presentations may be required. Accelerated Reader is used monthly throughout the school year. One 250-page book is required each month for AR. Library usage for reports and research, as well as leisure, will be encouraged.

English 10 Course # 4010A/4010B
(10) 1 Credit
This course focuses on the essentials of composition and literature. Students strengthen writing and critical thinking skills through the study of development, organization, and writing conventions as they are applied to a variety of writing venues, including the essay. Reading strategies are enhanced with the study and application of literary terminology. World authors and multiple literary genres, including historical documents, are studied, in which students are required to analyze, critique, and evaluate authors and their works. Miscellaneous reading and writing activities and projects, both written and oral, will be assigned both inside and outside the classroom.

CP English 10 Course # 4015A/4015B
(10) 1 Credit
This rigorous course is recommended only for students with the best work ethic and study skills, who want a challenge beyond the basic English 10 curriculum. Course content focuses on heightened awareness of major authors, literary periods, and various literary genres, as well as advanced composition techniques. Students are required to independently complete involved assignments ranging from literary analysis to research-based projects. Access to library resources, as well as Microsoft Word, Excel, PowerPoint, and the Internet are a must.

English 3 Course # 4020A/4020B

(11) 1 credit
The English Language Arts course for eleventh grade is devoted to a study of American literature from the colonial period to the late twentieth century. There are many opportunities to analyze historical and informational texts from various early nonfiction documents. Nonfiction literature will also be incorporated and compared to fictional works about the same time period to see the fluid relationship between the two writing styles. Historical backgrounds will be given on time period and individual pieces of literature. Throughout the year students will be given a chance to make connections to history, art, and other subjects through literature. Essays range from analytical to the creative. Students will build on their writing skills from previous years, integrating multiple sources and perspectives into their work. By the end of the school year, students have a foundation in American literature and are ready to branch out into European literature, which they study in twelfth grade.

CP. English 3 Course # 4025A/4025B
(11) 1 credit
The English Language Arts course for eleventh grade is devoted to a study of American literature from the colonial period to the late twentieth century. There are many opportunities to analyze historical and informational texts from various early nonfiction documents. Students will have to show a high level of discipline, responsibility, and determination to succeed at this college preparatory class. Nonfiction literature will also be incorporate and compared to fictional works about the same time period to see the fluid relationship between the two writing styles. Historical backgrounds will be given on time period and individual pieces of literature. Throughout the year students will be given a chance to make connections to history, art, and other subjects through literature. At times this class will require students to spend a substantial amount of time working on essays or projects outside of the classroom to better prepare them for college. Projects and essays will be assigned so access to a computer will be mandatory. Essays range from analytical to the creative. Students will build on their writing skills from previous years, integrating multiple sources and perspectives into their work. By the end of the school year, students have a foundation in American literature and are ready to branch out into European literature, which they study in twelfth grade.

AP Language and Composition Course # 4090A/4090B
(11) 1 Credit; 5.0 Grading Scale
This course is an introductory college-level composition course. Students will cultivate their understanding of writing and rhetorical arguments through reading, analyzing and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style.

English 4 Course # 4030A/4030B
(12) 1 Credit
This course consists of a chronological survey of British writings, as well as the study of some classic pieces of world literature, including an examination of the major themes throughout various eras of history. Within the unit for each literary period, the course will focus on each of the following genres: nonfiction, short stories, plays, novels and poetry. In addition, students will apply their knowledge of the writing process through various assignments, including detailed research papers that utilize MLA or APA format. They will strive to express their ideas and opinions clearly and concisely, both verbally and in writing.

CP English 4 Course # 4035A/4035B
(12) 1 Credit

This course consists of a chronological survey of British writings, as well as the study of some classic pieces of world literature, including an examination of the major themes throughout various eras of history. Within the unit for each literary period, the course will focus on each of the following genres: nonfiction, short stories, plays, novels and poetry. In addition, students will apply their knowledge of the writing process through various assignments, including detailed research papers that utilize MLA or APA format. Students will learn to examine literary works using critical thinking and analytical skills. They will strive to express their ideas and opinions clearly and concisely. Most importantly, students will gain an understanding of the power of writing and its significance to society. Students will be expected to demonstrate effective independent work habits, while demonstrating initiative and self-discipline.

AP English Literature and Composition Course # 4085A/4085B
(12) 1 Credit; 5.0 Grading Scale
This course explores literary works from several different genres and periods. Students will learn to analyze and interpret imaginative literature through careful reading and critical analysis. Most importantly, students will gain an understanding of the power of writing and its significance to society. Students will be expected to demonstrate effective independent work habits, while demonstrating initiative and self-discipline.

History of Literary Fiction Course # 4092A/4092B
(10-11-12) Elective – 1 Credit
This course focuses on the history of fictional places from literature; this includes works from JRR Tolkien, CS Lewis, George RR Martin, and other sources such as Greek or Norse mythology.

Mathematics

Students graduating in 2014 or later must have four units of math to meet the graduation requirements for the State of Ohio.

Algebra I Course # 4135A/4135B
(9-10-11-12) 1 credit
Algebra I is the foundation for higher math courses. It starts with the introduction to basic set theory with emphasis on the set of real numbers. Students will be expected to transition from arithmetic to algebra. Students will need to perform basic operations with all real numbers including positive and negative real numbers as well as the use of variables. There will be an emphasis on linear equations and functions. Students will learn to represent problems using algebraic equations, graphs etc. The course will also include basic quadratic equations and functions and an introduction to other nonlinear equations. This class is for those who are not ready to attempt the rigors of the more advanced algebra 1 class but still cover the basic concepts of algebra 1.
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College Prep Algebra I Course # 4138A/4138B
(9-10-11-12) 1 credit
Algebra I is the foundation for all other higher math courses. It is essential to have this foundation in order to successful as you progress through high school mathematics. This course includes the study

of real numbers, functions, polynomials, and factoring. Students learn to write, solve, and graph linear and quadratic equations and to solve systems of equations. It is recommended that before staring course, students should have successfully completed Pre-Algebra or an equivalent course.

Geometry Course # 4130A/4130B
(9-10-11-12) 1 Credit
This course is the basic geometry course and provides students with an introduction to geometry and its application to real life situations. This course will lead students to an understanding that reasoning and proof are fundamental skills needed to be successful in real life. Students will study both inductive and deductive reasoning. Definitions, postulates and theorems will be used to justify geometric relationships and properties. Establishing congruence and similarity of triangles and polygons, calculating the areas and volumes of polygons and polyhedrons, solving for the parts of right triangles, finding the measurements of circles, and an understanding of the use of algebra in analytical geometry will be emphasized. A graphing calculator and computer software will be used in appropriate places throughout the course to assist in the study.

C.P Geometry Course # 4140A/4140B
(9-10-11-12) 1 credit
Plane Geometry is the study of the properties and relationships of figures such as rectangles, triangles, and circles that lie in the same plane. The first semester includes the writing of formal proofs. Working with formal proofs requires that students apply definitions, properties, theorems, and postulates in a series of logical steps to arrive at valid conclusions. Other topics covered include parallel and perpendicular lines, congruency, similarity, transformations, and right triangle trigonometry. In the second semester, students will work with trigonometry as well as transformations. They will also expand on finding perimeter, area, and volume of geometric figures. Students should have a solid background in Algebra I to take this course.

Algebra II Course # 4125A/4125B
(10-11-12) 1 credit
Basic Algebra 2 is essentially a continuation of Basic Algebra 1, and the material covered will be at a slower pace than that of CP Algebra 2. Topics covered should include the graphing and solving of functions including logarithms, probability, statistics, and if time, trigonometry.

C.P. Algebra II Course # 4145A/4145B
(10-11-12) 1 credit
Algebra II is a more detailed study of Algebra I topics. While Algebra I topics are reviewed and expanded upon, the course is intended to take a more in-depth look at such topics as functions including logarithms, probability, statistics, sequence and series, and trigonometry with the unit circle. A strong background in Algebra I and Geometry (average of a 75% or better) is recommended to be successful in this class.

Advanced Math (Pre-Calculus) Course # 4150A/4150B
(11-12) 1 Credit ***Can be taken at high school for college credit.**
College Algebra 1/2 Credit
The topics covered would be needed to be successful in a first-year college pre-calculus class. They include: functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, and linear systems and matrices.

Trigonometry ½ Credit
This is the branch of mathematics concerned with the properties of the trigonometric functions (sine, cosine, tangent, cosecant, secant, and cotangent) and their application to the determination of the sides and angles of triangles as used in surveying, navigation, etc. In this class graphical solutions are obtained using graphing calculators. The school supplies some graphing calculators.
Also covered are polar coordinates and polar equations with emphasis on conversion of both.
Students should have successfully completed Algebra I & II.

Calculus Course # 4155A/4155B
(12) 1 Credit ***Can be taken at high school for college credit.**
Calculus was invented in the seventeenth century to solve measurement problems in geometry and physics; specifically, the problems of measurement of length, area, and volume in geometry and the measurement of force, velocity, and acceleration in physics. There are two major branches of calculus, differential and integral. Differential calculus involves measuring the instantaneous rate of change of one quantity relative to the change in another quantity. Integral calculus is used in areas such as biology, zoology, archaeology, engineering, and economics. Some topics include linear functions, limits, and continuity, derivatives, definite and indefinite integrals, exponential and logarithmic functions, trigonometric functions, and differential equations. Students should have credits in Algebra I and II, Geometry, and Advanced Math.

Science

Students must have at least three science credits to meet the graduation requirements for the State of Ohio. Those seeking an honor's diploma must meet very specific science requirements.

Physical Science Course # 4205A/4205B
Required (Grade 9) 1 credit
Integrated Science is the introductory science course for 9th grade students. It is a physical science course that provides an essential foundation for success in upper-level sciences. This course is designed to introduce students to high school level scientific applications and methods, as well as principles in chemistry, astronomy, physics, and geo-sciences. Students develop laboratory and critical thinking skills through investigation and hands-on activities. Topics of study include: scientific method, scientific inquiry, scientific theories, the universe, earth systems, processes that shape the earth, nature of matter, nature of energy, and forces and motion.

College Prep Physical Science Course # 4210A/4210B
Required (Grade 9) 1 credit
Integrated Science is the introductory science course for 9th grade students. It is a physical science course that provides an essential foundation for success in upper-level sciences. This course is designed to introduce students to high school level scientific applications and methods, as well as principles in chemistry, astronomy, physics, and geo-sciences. Students develop laboratory and critical thinking skills through investigation and hands-on activities. Topics of study include: scientific method, scientific inquiry, scientific theories, the universe, earth systems, processes that shape the earth, nature of matter, nature of energy, and forces and motion. Students will be expected to keep an organized

notebook, read current articles on relevant topics in science summarizing information with citation of sources, make presentations through power points and displays, and conduct an experiment following the steps of scientific method.

Essentials of Biology Course # 4215A/4215B

Required (Grade 10) 1 credit

This Biology course involves the scientific study of living organisms. The course focuses on the ability to use scientific inquiry, scientific method and explores the relationship between science and society. The course will cover the characteristics and structure of life, heredity, diversity of life, earth systems, evolutionary systems, ethical practices, understanding technology and the abilities to do technological designs. Students in this course will be responsible to participate in scientific labs where they will utilize scientific tools and technology to complete their work. The laboratory portion of the course consists of topics correlating with lecture and designed to lead the student into independent or group thought.

College Prep Biology Course # 4220A/4220B

Required (Grade 10) 1 credit

This Biology course involves the scientific study of living organisms. The course focuses on the ability to use scientific inquiry, scientific method and explores the relationship between science and society. The course will cover the characteristics and structure of life, heredity, diversity of life, earth systems, evolutionary systems, ethical practices, understanding technology and the abilities to do technological designs. Students in this course will be responsible to participate in scientific labs and web quest projects where they will utilize scientific tools and technology to complete their work. The laboratory portion of the course consists of topics correlating with lecture and designed to lead the student into independent or team research and thought. It is highly recommended for students to take their freshman science at the college prep level to ensure success in CP Biology.

Environmental Science Course # 4245A/4245B

(Grade 11) 1 credit

This course is an introduction to chemical concepts using practical issues and application to illustrate the principles of chemistry. Beginning with a discussion of scientific measurements, and general properties of matter, a good deal of the course covers the structures of the atoms, the periodic table, types of bonds and equations. Other topics involve students in states of matter, reactions and the energy involved in chemical change.

Career-Tech Science Course # 4235A/4235B

(11) 1 Credit

For Junior Health Technology and Junior Cosmetology students only.

CT Science is an introduction to chemical concepts using practical issues and application to illustrate the principles of chemistry. Beginning with a discussion of scientific measurements, and general properties of matter, a good deal of the course covers the structures of the atoms, the periodic table, types of bonds and equations. Other topics involve students in states of matter, reactions and the energy involved in chemical change. Students will also study introduction to anatomy and physiology as it relates to nursing and cosmetology. A portion of the course is lab related with specific labs correlating to the topic covered.

Chemistry Course # 4230A/4230B

(Grade 11- 12) 1 Credit

An introductory course in chemistry designed to expose students to fundamental principles of chemistry. The periodic table and its design will be introduced to students. Additionally, students will be introduced to elements, compounds, molecules and how they interrelate. Concepts such as moles, formula weights and stoichiometry will also be covered. A large portion of the course is lab related with specific labs correlating to the topic covered.

Anatomy & Physiology Course # 4225A/4225B

(Grade 11 -12) 1 Credit

This is a laboratory-based course that investigates the structure and function of the human body. Topics covered will include anatomical terminology, organization of the human body, integumentary system, skeletal system, muscular system and the nervous system along with the impact of disease on these systems. This course includes fetal pig dissection. Students will learn through lecture, videos, case studies, group work and labs. Students are responsible for the proper use of lab equipment.The goal of this course is to prepare students with the skills necessary to be successful in future science courses and those preparing for the medical field.

Prerequisite: CP Biology.

Anatomy & Physiology II Course # 4226A/4226B

(Grade 11-12) 1 Credit

This is a laboratory-based course that investigates the structure and function of the human body. Topics covered will include the senses, the cardiovascular system, respiratory system, lymphatic system and digestive system along with the impact of disease on these systems. This course includes cow heart dissection. Students will learn through lecture, videos, case studies, group work and labs. Students are responsible for the proper use of lab equipment.The goal of this course is to prepare students with the skills necessary to be successful in future science courses and those preparing for the medical field.

Prerequisite: Anatomy and Physiology 1.

Physics Course # 4250A/4250B

(11-12) 1 Credit ***Can be taken at high school for college credit.**

Physics, the most fundamental science, is concerned with the basic principles of the Universe. It is one of the foundations upon which the order physical studies the idea of energy; what it is, how it affects matter and how matter affects it, and how it can be changed from one form to another, topics include: measurement and problem solving, velocity, acceleration, forces, motion, gravitation, energy, matter, heat, vectors, electrostatics, and direct and alternating current circuits. Students should have a background in algebra and geometry.

AP Environmental Science

(Grade 12) 1 Credit; 5.0 Grading Scale

In this course, students will explore and investigate the interrelationships of the natural world and analyze environmental problems, both natural and human-made. There will be laboratory investigations and field work.

Exercise Physiology Course # 4264

(10-11-12) Elective ½ Credit

This course focuses on the components of physical fitness, the body's response to physical fitness, sports related injuries, and prevention and nutrition.

Forensic Science Course # 4262
(10-11-12) Elective ½ Credit
Forensic Science is the application of science to the criminal and civil laws that are enforced by the criminal justice system. It includes the investigation of fingerprinting, fiber analysis, ballistics, arson, trace evidence analysis, blood samples and spatters. Students are taught the proper collection, preservation, and analysis of various samples.

Social Studies

Students must have three Social Studies credits to meet the graduation requirements of the State of Ohio. This MUST include World History, American History, Government, and Economics.

Modern World History Course # 4315A/4315B
Required (09) 1 credit/ full year
Modern World History examines the history of the world from 1500 to the present day. Students will study the philosophies and actions that have significantly changed our world beginning with the ideas of the Enlightenment to the development of global interdependence. This course meets social studies graduation requirement and prepares students for the American History end of course exam.

C.P. Modern World History Course # 4310A/4310B
Required (09) 1 credit/ full year
Modern World History examines the history of the world from 1500 to the present day. Students will study the philosophies and actions that have significantly changed our world beginning with the ideas of the Enlightenment to the development of global interdependence. CP Modern World History students will explore certain historical figures and events in greater depth and will be required to complete additional reading and assignments. This course meets social studies graduation requirement prepares students for the American History end of course exam.

American History I Course # 4325A/4325B
Required (10) 1 credit / full year
The course is a study of American History from the Reconstruction Era through the twenty first century. This course is a general strand of this period of American History. Students are expected to know and understand the information, but with less emphasis on advanced level work on assignments, tests, and quizzes.

C.P. American History I Course # 4320A/4320B
Required (10) 1 credit / full year
The course is a study of American History from the Reconstruction Era through the twenty first century. This course is an advanced strand of this period of American History. Students are expected to use high level thinking and testing skills on several causes and effect situations of this period of American history.

Government Course # 4335A/4335B

Required (11) 1 Credit/Full Year with emphasis on the functions and powers of the legislative, executive, and judicial branches at the national, state, and local levels. The importance of political participation and the role of interest groups are also discussed.

C.P. Government Course # 4330A/4330B
Required (11) 1 Credit/Full Year
A study of the American system of government with emphasis on the functions and powers of the legislative, executive, and judicial branches at the national, state, and local levels. The importance of political participation and the role of interest groups are also discussed. While this class is structured very similar to the regular government course, much more emphasis is put on analyzing and applying concepts and ideas.

Economics Course # 4332B
Required (12) ½ credit/1 semester
Economics is the study of how people seek to satisfy their needs and wants by making choices. Topics include: Scarcity, factors of production, opportunity cost, economic systems, American free enterprise, business organizations, labor, money and banking, and the history of the American Economy.

CP Economics Course # 4332A
Required (12) ½ credit/1semester
Economics is the study of how people seek to stratify their needs and wants by making choices. Topics include: Scarcity, factors of production, opportunity cost, economic systems, American free enterprise, business organizations, labor, money and banking, and the history of the American Economy. Students in this class will complete a Stock Market report. Economic challenges also covered in this course are the effects of unemployment, inflation, and poverty.

Psychology Course # 4338A
(10-11-12) Elective 1/2 Credit
The scientific study of behavior and mental processes, viewed from many different perspectives, and encompassing every aspect of thoughts, feelings, and actions. Also explored is the history of the field, the many new research technologies, and new areas of inquiry.

World Geography Course # 4388
(10-11-12) Elective ½ Credit
This course builds on students' understanding of geography and spatial thinking. Contemporary issues are explored through the lens of geography. In addition to understanding where physical and cultural features are located and why those features are located as they are, students examine the implications of these spatial arrangements.

World War II Course # 4306
(10-11-12) Elective ½ Credit

World War II remains the most total and most destructive conflict in human history. It involved all the major industrial countries, wrought unparalleled destruction, and it targeted civilians to an unprecedented extent. The course will pay some attention to the major military and diplomatic choices of the main actors of the Atlantic dimension of the war (that is in Europe and in North America). But its main emphasis will be on the war's impact on the societies and on the individuals, who fought or had to endure it.

Current World Affairs **Course # 4300**
(10-11-12) Elective ½ Credit
In this course, students will become aware of the events in the community, state, nation, and world that affect our lives. In this class we will examine economic, political, and social events and analyze how these affect our country and the world.

Ohio History **Course # 4385**
(10-11-12) Elective ½ Credit
This course is the study of history of Ohio from Native American societies and origins of statehood to present time. Analysis of environmental, political, social, economic, and intellectual aspects of the state.

Health and Physical Education

Students are required to complete ½ credit in Health and ½ credit in Physical Education in order to meet graduation requirements. Students who participate in sports can qualify for a PE Waiver. Ask your guidance counselor for more information.

Health **Course # 4425**
(Grade 9-10) ½ Credit
Health is a required course for graduation and is one semester long. The health course covers the three parts of the Health Triangle: Physical, Mental/Emotional and Social Health. The study of these areas of the student's life will inform them of how to maintain themselves and develop in these three areas that will lead to a happy successful life.

Physical Education **Course # 4405**
(9 and 10) ¼ credit each semester
In the first year the emphasis is on a large muscle development through physical fitness, exercise and participation in physical activities and games. The second year will emphasize the development of motor skills through team sports, calisthenics, exercises and flexibility. The course also entails learning the rules, regulations and theory of team sports.

Sports Fitness **Course #4406**
(Grades 10, 11 or 12) 1/4 Credit

For students who have completed at least one athletic season. Must be recommended by a coach. The course will focus on weightlifting and strength training for athletes.

Fine Arts

Art I: Course # 4510A/4510B
(9-10-11-12) 1 credit, Course Fee: $10
Art I provides a comprehensive overview of the art making process in a variety of mediums. Topics covered include basic drawing and shading, color theory, 3-D studies and art history. Emphasis will be on techniques and representation. Mediums used include graphite, charcoal, watercolors, pastels, and acrylic paint, as well as others. Evaluation will be project based.
No Prerequisite.

Art II Course # 4515A/4515B
(10-11-12) 1 Credit, Course Fee: $10
Art II builds on Art I. Going beyond the basics; Art II will explore advanced drawing and painting techniques as well as some non-traditional forms of art such as bookbinding and mask-making. Many mediums used in Art I will be used in Art II, but projects will be more innovative and will focus on concepts as well as techniques. Evaluation will be project based.
Prerequisite: Art I.

Art III: Course # 4520A/4520B
(11-12) 1 Credit, Course Fee: $10
Art III will provide students opportunities to work at their own pace and complete independent projects in a variety of mediums. Advanced techniques in painting, including oil painting will be taught. Original, creative artwork is expected. Evaluation will be by group critique.
Prerequisite: Art I and II

Art IV: Course # 4525A/4525B
(12) 1 Credit, Course Fee: $10
Art IV is a studio-style class where students are expected to be self-motivated, creative and original. Portfolio building is stressed in order to provide students with a body of work that can be presented in a college environment. Students will create original work in a variety of mediums, with a personal style being emphasized. As a year-end final, students will design and paint a mural. Evaluation will be by critique.
Prerequisite: Art I, II and III.

Band (I, II, III, IV) Course # 4535A/4535B
Elective (9-10-11-12) 1 Credit each year for up to four years

Band is open to all students who can play an instrument and are willing to participate. Marching band is composed of flags, percussion, and winds. The Marching Band participates in all football games and four or five Marching Band competitions. All students who participate in marching band must attend band camp, usually the last full week of July. The band also participates in parades and festivals. The band gives three concerts a year. Selected persons may also participate in Solo & Ensemble competition. The band meets every Tuesday, Wednesday, & Thursday after school during football season from 3:30- 5:30.

Guitar **Course # 4540A/4540B**
Elective (9-10-11-12) 1 Credit
Guitar is open to all students who have an acoustic guitar. They do not need to know how to play prior to taking the class.

Guitar 2 **Course # 4542A/4542B**
Elective (10-11-12) 1 Credit each year for up to three years. Guitar 2 is for students who have already taken Guitar 1 and wish to learn more advanced skills.

Speech **Course # 4505A/4505B**
Elective (11-12) 1 Credit
The primary purpose of this course is to improve your public speaking skills. We will be studying topic selection, audience analysis, research, outlining, speech writing, and speech delivery. By the end of this course, you will have improved your verbal and nonverbal communication skills and will be able to successfully and confidently present speeches in a variety of real-world situations.

Yearbook **Course # 4630A/4630B**
Elective (11-12) 1 Credit
The creation of the yearbook provides project-based learning opportunities for students who will apply communications skills, both written and visual, and use technology to create and market a real-world product of historic value. Students in this course learn about and produce real life products that reflect today's society. Today's yearbooks record events through articles, contemporary layout and design, headlines, captions, graphics, and photos. Students provide pictorial memories, as well as accurate historical records. Students on this yearbook staff will be involved in every aspect of yearbook production: feature writing, creativity, magazine layout and design, picture planning, technology, finance/ advertising*, photography, interviewing, and team dynamics. Publication deadlines are a critical aspect of this course. Prior experience with Word, Excel, Photoshop, digital cameras and scanners is beneficial. Because so many school events take place after normal school hours, students are expected to put in out of class time when needed.
*Selling advertising in the community is a requirement of this course.

Family and Consumer Sciences

Transitions and Careers **Course # 48910**
(9th ONLY) ½ Credit ***Required for all freshmen**
Encourage students to assess values and resources that support lifestyle goals, effective time

management plans, stress management, multicultural awareness that sustains a productive, meaningful lifestyle. Students learn to choose resources that meet individual, family and business financial goals, credit and debt issues, techniques to prevent financial loss of assets, conflict resolution and public policy that impact financial well-being.

Child Development **Course # 48930**
(10-11-12) ½ Credit
Child Development provides students with knowledge of how parents and childcare providers meet the needs of infants and young children to provide for healthy growth and development. Prominent theories of child psychology and average child growth and development will be studied.

Personal Financial Management **Course # 48940**
(10-11-12) ½ Credit
Financial Management I provides students with an understanding of the concepts and principles involved in managing one's personal finances. Topics include savings, investing, credit, taxes & social security, spending patterns, contracts, and consumer protection.

Principals of Nutrition and Wellness **Course # 48920**
(10-11-12) ½ Credit
Encourages students to develop practical problem solving that influences cultural and social factors that affect the body weight and healthy lifestyles. Students will demonstrate safe food handling practices related to food-borne pathogens and kitchen environments.

Foreign Languages

Spanish I **Course # 4705A/4705B**
(9-10-11-12) 1 Credit
This class will focus on basic grammar structures and conversational phrases in Spanish. Learning new vocabulary, practicing basic grammar structures, and speaking in Spanish are daily activities. There will be many individual and group projects as well. *The only prerequisite for Spanish I is that the student is taking all college prep courses.*

Spanish II **Course # 4710A/4710B**
(10-11-12) 1 Credit
This course further develops grammar structures that will include communicating in the past tense. Spoken Spanish will be emphasized including performances of short skits and a possible field trip to a Spanish-speaking establishment. At this level of Spanish, writing skills will be improved through paragraph formation and storytelling. The prerequisite for Spanish II is passing Spanish I. Students who have a D in Spanish I will be accepted but may struggle in Spanish II unless they improve on their study skills and participate in class.

Spanish III **Course # 4715A/4715B**

(11-12) 1 Credit
This course will expand your Spanish vocabulary through speaking, reading, writing, and listening. Higher level grammar concepts will be challenging, and students will be expected to participate often and speak as much Spanish throughout this course as possible. This class also requires a serious investment in learning and working together with the teacher and your peers in order to cover a wide range of topics. Some of the elements of this class will be SELF-GUIDED so you need to remain focused and committed throughout the entire year! Projects include writing bilingual stories, writing essays in Spanish, interviewing each other, and planning a trip to a Spanish-speaking country. By the end of Spanish III students will have completed all the material found in the first level of college Spanish. The prerequisite for this class is both Spanish I and Spanish II. The student MUST HAVE an average grade of 75 in Spanish II to take this class. Students with a "C" must have a conference with the teacher BEFORE signing up for the class!

Spanish IV **Course # 4720A/4720B**
(12) 1 Credit
This course is not always available. The prerequisite is completion of Spanish I, II, and III with a "B" average in Spanish III. The class will be taught almost exclusively in Spanish and will include reading a novel, writing essays, learning about the history of Spanish countries and examining songs, movies, and other cultural references.

Industrial Technology

Drafting **Course # 4870**
(9-10-11-12) 1 credit
This course includes basic sketching, lettering multiview, and pictorial drawings used in the drafting industry.

Drafting II – Architecture **Course # 4871**
(10-11-12) 1 Credit
Students will study basic residential home design including but not limited to: Ranch, Garrison, Split level, Salt Box, Southern Colonial. The students will actively design their own homes using pencil and paper drafting techniques while also exploring some AutoCAD applications in Architecture. Students will design rooms in the following categories: sleeping area/bath facilities, living areas and service areas. Each student will understand floor plans, electrical plans, plot plans, window/door detail and elevation plans. The course is based on introductory architecture.
Prerequisite - Drafting

Industrial Technology Foundations 1&2 **Course #s 4873 / 4874**
(9-10-11-12) ½ Credit each
Exploring technology is a comprehensive, action based educational program concerned with the ways that humans use manufacturing and transportation to adapt to their environment. Technology education

is designed to do more than teach engineering processes. It is necessary for all people to understand technology if they are to function as informed voters, productive workers, and wise consumers of technological products and services.

Transportation Engineering Course # 4877A/4877B
(10-11-12)
Transportation systems will introduce the student to the efficient use of tools and resources to relocated people and goods. Topics include the systems and subsystems of transportation, and the sources of energy and power used in the industry. Students will explore the various modes and environments affecting transportation, and how these modes interrelate with each other. Students will have the opportunity to become involved in decision making, learning about transportation design and engineering; working with a variety of tools, materials and processes used in transportation, and researching careers in transportation industry.
Prerequisite: Drafting, Industrial Technology Foundations 1 & 2

Construction Engineering Course # 4879A/4879B
(10-11-12) 1 Credit
Construction systems will introduce the student to the principles of the construction industry. Topics range from how construction meets the needs of society to the actual construction of a structure. Students will have the opportunity to become involved in: decision making, learning about construction design and engineering; working with a variety of tools, materials and processes used in the construction industry; planning organizing and controlling a construction project; and researching careers in the construction industry.
Prerequisite: Drafting, Industrial Technology Foundations 1 & 2

Wood Technology I Course # 4620A/4620B
(9,10,11,12) 1 Credit
This course includes the study of basic wood material technology, basic project design and planning, safety, basic use of all hand tools, introduction and basic use of four stationary power machines, basic project construction, surface preparation and wood finishing.
Prerequisite: None
Note: There are fees associated with this course. Those fees vary based on what projects each student chooses to do and what materials the student chooses to use.

Wood Technology II Course # 4610A/4610B
(10,11,12) 1 Credit
This course includes more details of wood material technology, project design and planning, safety, the use of all hand tools, introduction and safe use of all stationary power machines, all portable power tools, construction of projects, and wood joints.
Prerequisite: Wood Technology II
Note: There are fees associated with this course. Those fees vary based on what projects each student chooses to do and what materials the student chooses to use.

Wood Technology III Course # 4612A/4612B
(11,12) 1 Credit

This course is offered every other year and includes the mastery of project design and planning, mastery of all stationary and portable power machines and tools, the incorporation of more complicated wood joints as well as more complicated designs and projects.
Prerequisite: Wood Technology I and Wood Technology II
Note: There are fees associated with this course. Those fees vary based on what projects each student chooses to do and what materials the student chooses to use.

Carpentry **Course # 4615A/4615B**
(11-12) 1 Credit
This course is offered every other year and includes the study of basic building materials, equipment, regulations, house wiring, and construction. Footings, foundations, floor-wall-ceiling and roof framing, roofing materials are emphasized.
Prerequisite: Wood Technology I & Wood Technology II

Career – Technical Education Programs

Agricultural Science

Agriculture, Food, and Natural Resources **Course # 48810A/48810B**
(9-10) 1 ¼ Credit)
This introductory course is designed to increase agricultural awareness and learn where we get our resources of food, fiber and shelter. Students will develop a background understanding on how agricultural affects them everyday day and how they can make better consumer choices. A variety of areas will be explored including natural resource management, plant sciences, animal sciences, food science and technology and agricultural mechanics. Students will have the opportunity to practice learned skills with hands-on activities in the shop, greenhouse, garden and livestock labs. Leadership will be emphasized as students develop skills in parliamentary procedure, committee work, communication processes and public speaking, improvement of self-esteem and assessing career options in agriculture. There will be field trip opportunities to observe production procedures and agricultural technologies.

FFA participation is expected as an extension of the classroom learning to provide leadership and competitive activities and is counted as part of the classroom grade. An agriculturally related project outside the classroom called a Supervised Agricultural Experience Project is required as a part of the total program and constitutes the extra quarter credit for the course.

Animal Nutrition, Health and Reproduction **Course # 48830A/48830B**

(10-11-12) 1 ¼ Credit

For the lovers of four-legged friends, this course is for students seeking various opportunities in working with animals. Production livestock animals will be the major focus in determining management practices, breed selection and food sources. Horses and companion animals will also be reviewed. Specific areas of study will include feeding and nutrition, production management, animal breeding, health management and basic grooming. Students will be able to work on shop projects related to animal buildings and structures. Students will also work extensively with live animals in labs. There will be field trip opportunities to observe production procedures and agricultural technologies.

FFA participation is expected as an extension of the classroom learning to provide leadership and competitive activities and is counted as part of the classroom grade. An agriculturally related project outside the classroom called a Supervised Agricultural Experience Project is required as a part of the total program and constitutes the extra quarter credit for the course.

Prerequisite: Passed Agriculture, Food, and Natural Resources or Sophomore or higher-grade level.

Pre-Veterinary Science **Course # 48880A/48880B**

(10-11-12) 1 Credit

You love being around animals. In fact, you have several pets at home. And since you were a little kid, you've always dreamed of being a vet or an animal trainer. But do you really understand what is required of those positions and how to prepare for such careers? This course will build upon knowledge in the Animal Nutrition, Health and Reproduction course and provide an in-depth study of small and large animals in addition to career exploration in the animal science industry. Subgroup areas will include production/livestock, companion animals, exotic animal species, wildlife and research animals. Topics will focus on comparative anatomy and physiology, diseases, diagnosis, treatment, surgery, grooming and handling. Students will also investigate and discuss animal ethics and welfare. Be prepared to perform several dissection labs and to also work with live animals. There will be field trip opportunities to observe production procedures and agricultural technologies.

FFA participation is expected as an extension of the classroom learning to provide leadership and competitive activities and is counted as part of the classroom grade. An agriculturally related project outside the classroom called a Supervised Agricultural Experience Project is required as a part of the total program and constitutes the extra quarter credit for the course.

Plant and Horticulture Science **Course # 48890A/48890B**

(10-11-12) 1 ¼ Credit

This course focuses on broad knowledge and skills required to research, develop, produce, and market agricultural, horticultural, and native plants and plant products. Students will apply principles and practices of plant physiology and anatomy, plant protection and health, reproductive biology in plants, influences in bioengineering, plant nutrition, and disorders. Course will also include environmental aspects of irrigation, chemical application, soils, and communication, leadership, and business management skills. This class shapes the knowledge of past experiences to develop skills to further carry them on to a career or college path of related agricultural jobs.

Landscape Design and Build **Course # 48892A/48892B**

(10-11-12) 1 ¼ Credit

This class is designed to integrate scientific principles and new technologies to the agricultural industry as it relates to plants and renewable natural resources. It consists of lab time dealing with anywhere

from green houses, farm equipment, to welding. This course will further develop students' interests in agricultural fields.

Greenhouse and Nursery Management Course # 48820A/48820B
(10-11-12) 1 Credit
Students will learn the operational practices needed for the successful growth of nursery stock and/or greenhouse plants. They will learn essential greenhouse practices including water and fertilizer distribution, lighting, ventilation and temperature control. Students will learn pest and disease identification and control along with bio-security practices. Students will demonstrate knowledge of propagation methods, plant health, nutrition, and growth stimulation. Throughout this course, business and employability skills will be emphasized.

Business Management for Agricultural and Environmental Systems Course #48870A/48870B
(10-11-12) 1 Credit
Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

Automotive Technology

(Grades 11 & 12, Full Year Course) Course #s: Juniors 4821A/4821B Seniors 4825A/4825B
To prepare students to be successful in the automotive repair business by learning literal and hands on procedures developed by the industry standards and beyond. Students will develop the ability and desire to work together harmoniously with mutual respect for the automotive trade, develop good work habits, orderliness, cleanliness, and care of property and equipment, develop safe work habits and promote safety conscience students, develop the ability to select, use, and care for the basic automotive tools and equipment, develop in each student the understanding of the principals involved in automotive repair and maintenance, develop an understanding of step-by-step diagnosis, and repair procedures, and develop an understanding and ability to follow directions from customers, vendors and people of authority.

Business and Administrative Services

Introduction to Business and Administrative Services Course # 4931A/4931B
(9-10-11-12) 1 credit
Required for Business and Administrative Services Program
The purpose of this course is to prepare students with a foundation that will ensure success in business office as well as health care careers. It emphasizes communication at an interpersonal level within a group, team, or organization as well as job-seeking skills and other various skills related to a business office or within the medical field.

Medical Coding Course # 4933A/4933B
(9-10-11-12) 1 credit

Information is an especially necessary commodity for success. This class introduces the student to the ever-growing opportunities in the health information departments throughout the health care industry including medical coding, medical reports and storing/retrieving health information.

Medical Terminology **Course # 4935A/4935B**
WSCC credit with a minimum grade of "C"
(9-10-11-12) 1 credit
This class is designed to develop one of the most basic skills needed in the health field -- knowledge of medical terminology. It contains information that is necessary to build a foundation for competence in the world of health care. This class focuses on the many components of a medical term and how to break down a medical term by simply knowing the meaning of the prefix or suffix. By learning the individual parts of a medical word, you will not need to memorize hundreds of complex medical terms and their definitions.

Medical Office Procedures **Course # 4937A/4937B**
(11 or 12) 1 credit.
Must have prerequisites: Intro to Business and Admin Services, Medical Coding, and Medical Terminology.
Medical Office Procedures and simulation prepares students with skills and knowledge for anyone interested in a career in medical assisting, medical office management, medical finance & insurance and other administrative aspects of the medical field. Skills acquired in this class will benefit students in obtaining entry-level employment whether it is in a medical setting or in a home office.

Career Based Intervention

(11-12) **Course # 4851/4853**

C.B.I. is a state sponsored, vocational, two-year, work study program for students 16 years or older. It is an effort to bring together employers, who need unskilled or semi-skilled help, and students, who are prepared to accept the responsibilities of a job under school supervision.
The CBI course requires a minimum of 15 hours per week of on-the-job training and two forty-five-minute classroom sessions each say with the OWE coordinator studying job-related subjects. All CBI students under the age of eighteen are subject of Federal and State Labor Laws.
The program is designed to develop student motivation, to change student attitudes toward education through work, experience the necessary attitudes and abilities to enable the student to become gainfully employed. The grade in the class is determined by the student's performance in the following areas: attendance, attitude, appearance, and achievement. All CBI students are evaluated on an individual basis in the light of his/her own potential and ability.
In CBI education becomes a thoroughly personal experience. To be admitted to this program the student must be at least sixteen years of age, have and maintained a good attendance record, be employable, provide own means of transportation, be willing to abide by the regulations of the course, and be able to meet criteria and standards set by the state.

Cosmetology

(11-12) **Course #s Juniors 4831A/4831B Seniors 4833A/4833B**

This program trains students in the theory and practice of cosmetology. It includes a rigorous study of anatomy, chemistry, and physiology. Students are expected to provide clean course approved uniform and shoes. Students completing the two-year program will meet the competency-based 1,500-hour requirement. Ohio State Board of Cosmetology requires a 75% passing to receive your state board licensing. In addition to cosmetology grades, four academics are applied and reported to the state. They are junior year science, English and math and senior year English. Skills Learned: Theory of cosmetology practices, science: anatomy and chemistry, bacteriology and sanitation, Hair, skin, and nail care including study of disease and disorders, cutting and hair designing, Chemical services: color, permanent waves, and chemical relaxing, Manicure and pedicure; artificial nail application, Facials, facial makeup application · Salon management. Typical Entry-Level Employment Opportunities:

· Cosmetologist (hair, skin and nails)
· Retail supplier
· Salon retail sales distribution

Criminal Justice

(11-12) **Course #s Juniors 4813A/4813B Seniors 4815A/4815B**

Students selecting this two-year program will learn competencies in the areas of legal boundaries, CPR, first aid, routine patrol, tactical patrol procedures, criminal investigation, interview and interrogations, crime scene investigation, crime scene reconstruction, traffic enforcement, criminology, private security, physical training, defensive tactics, operation of electronic monitoring systems, and evidence collection. Students will also gain knowledge in the practical use of crime lab equipment and procedures, as well as a firsthand knowledge of forensic evidence and collection and basic lab testing.

Early Education

(11-12) **Course #4950 *NEW this year if there is enough interest in the program.**

Students will examine the goals of education and training as well as environments in which it is delivered. They will discuss the rights and responsibilities in educational systems, legal and ethical issues related to education, child development; and determine careers of interest in education. Employability skills and state requirements for becoming an educator will also be addressed.

Health Technology

Health Technology I - Nurse Assistant Course # 4843A/4843B

(Grade 11) 3 credit/full year

The Nurse Assistant program provides basic entry level health care training that includes CPR and First Aide. During the year the student not only gains health-based knowledge but will learn many hands-on skills. They participate in a clinical experience where they visit, observe and assist in various health provider sites. These sites enable them to have first-hand experience/observation of different health related careers. During the second semester the class focus is on geriatrics and long-term care. After completion of the Ohio Department of Health Training each qualifying student will sit for the State Tested Nursing Assistant exam. Passing the exam allows the student to be employed as a State

Tested Nursing Assistant in any licensed long-term care facility. The program goals are to provide basic health knowledge, skill and assist the student with career decisions. The information provided can be carried forward into many other fields if not utilized as a Nurse Assistant.
No prerequisite, recommend Medical Terminology, Anatomy & Physiology, Sciences and Chemistry a plus

Health Technology II - Phlebotomy and Home Health Aid Course # 4841A/4841B
(Grade 12) 2 credit/full year
Phlebotomy first semester. This class is a health-related career choice. Phlebotomy means to collect blood for diagnostic or therapeutic purposes. The class provides information about general laboratory procedures as well as skill development in phlebotomy. Hands on training is supported by area laboratories. After successful completion of the class and required field training the student may sit for their registration exam to become a "Certified Phlebotomy Technician"

Home Health Aide training is provided during the second semester of the Senior year. Providing care in someone's home is different than is a supervised setting. This class will provide the training for the STNA to transition to the home care career. The STNA is well trained to provide for the personal needs of the home client but new we must become skilled in other areas related to the home environment. Prerequisite STNA or completion of the TCEP Program.

IT Interactive Media

Information Technology Course #4925A/4925B
(9-10-11-12) 1 Credit / Full Year
This course **is required** of all 9th graders who intend to concentrate in the Interactive Media or Networks Systems Tech Prep Curriculums. Students will study the hardware, maintenance, and troubleshooting of personal computers. They also acquire general network knowledge.

Web Publishing Course #4913A/4913B
(11-12) 1 Credit
Using *Macromedia Dreamweaver 8* software, students will produce a web site that will incorporate various tasks identified within each chapter of a textbook used throughout the course. The teacher will project step by step illustrations that students will easily perform to complete each project. Students will be introduced to the Internet and the World Wide Web and their associated terms. Specific tasks addressed in this class involve creating a web page and local site; adding web pages, links, and images; tables and page layout; forms, templates and style sheets; and layers, image maps, and navigation bars. More advanced tasks such as page layout with frames, animation and behaviors; media objects; and the creation of the web photo album shall be addressed as time permits during this year long class.
(WSCC college credit if student receives a "C" or above)

Graphic Design Course #4915A/4915B
(10-11-12) 1 Credit

Using the Apple iMac computers and the Dell PC computers, students will become competent users of both computing platforms. During the first semester students will become acquainted with the iMac computers as they learn beginning techniques of using *Adobe PhotoShop CS3* software and the WACOM graphics tablet. Later they will create a variety of teacher assigned projects using skills introduced and strengthened with each lesson. During the second semester students will use the *Adobe InDesign CS* software as they create real world, page layout projects with step by step directions. To further assist with each project, students will see what the completed project looks like as they create each one. With an emphasis on typography and critical thinking this class will transform the novice into a professional modern typesetter who is grounded in industry-standard design principles. An assortment of software tools and shortcuts will be used throughout this year long class. *(WSCC college credit if student receives a "C" or above)*

Game Design **Course # 4930A/4930B**
(10-11-12) 1 Credit
This course will prepare students to design and program games using commercial and open source programs and applications. Students will learn industry standard programming language constructs to write programs that integrate classes, class methods, and class instances. Students will learn input method handling, animation, collision detection, game physics, and basic artificial intelligence.

IT Network Systems

Information Technology **Course #4925A/4925B**
(9-10-11-12) 1 Credit / Full Year
This course **is required** of all 9th graders who intend to concentrate in the Interactive Media or Networks Systems Tech Prep Curriculums. Students will study the hardware, maintenance, and troubleshooting of personal computers. They also acquire general network knowledge.

Computer Hardware &Software **Course #4901A/4901B**
(10-11-12) 2 Credits
This course maps fully to CompTIA's A+ Exam objectives. The course is designed to be a complete, step-by-step approach for learning the fundamentals of supporting and troubleshooting computer hardware and software. Specific topic coverage includes: Introducing Hardware, Introducing Operating Systems, PC Repair Fundamentals, Form Factors and Power Supplies, Processors and Chipsets, Motherboards, Upgrading Memory, Hard Drives, Installing and Supporting I/O Devices, Multimedia Devices and Mass Storage, Installing Windows 2000/XP, Maintaining Windows 2000/XP, Supporting Windows 2000/XP Users and Their Data, Troubleshooting Windows 2000/XP Startup, Windows 9x/ME Commands and Startup Disk, Supporting Windows 9x/ME, PCs on a Network, PCs on the Internet, Securing your PC and LAN, Notebooks, Tablet PCs, and PDAs, Supporting Printers and Scanners, and The Professional PC Technician.

Programming **Course # 4920A/4920B**
(10-11-12) 1 Credit

Student use A.L.I.C.E to build 3D animations, as well as VB to design classic games and Database programming

Network + **Course # 4905A/4905B**

(12) 2 Credits

Once completing the A+ Course Students prepare for the Network +, Server Administration test Specific topic coverage includes: Protocols**,** Wan**,** Lan**,** Man**,** Firewalls (software- Hardware)**,** Server Configurations**,** Dhcp**,** Active Directory**,** Network troubleshooting**,** OSI Model**,** Cable Connections**,** Server Operations**,** Routers, Bridges and Switches.

IT Help Desk **Course #4907A /4907B**

(12) 1 credit

The purpose of this course is to give students real world experiences troubleshooting, documenting, and discussing common events that may occur in a networked environment. More in depth study of previously covered material as well as independent exploration into various computer network/hardware subjects.

Prerequisites: Must have passed the A+ class with the final Grade of 85 or higher, must have an overall GPA of 3.2 or and 85% in all classes, must have been present in 94% of session days or more, and must complete an interview conducted by Mr. Scott Brinker and Mr. Matt Simpson.

Welding

(11-12) **Course # Juniors 4801A/4801B Seniors 4805A/4805B**

Vocational welding is a two-year course of instruction, which provides a three-hour block of time for lab instruction and a one and one-half hour time for related class. After graduation the student should be qualified for entry-level employment, as a welder or pipe fitter, a tool welder, maintenance welder, construction welder, or welding related occupations. Certification is not a requirement for credits. However, it is an option the student can take advantage of before leaving the program**.**