

COURSE DESCRIPTIONS

****Indicates the course counts as honors elective**

English Electives

Creative Writing**- is a course designed for students who would like to create both fiction and non-fiction writing of a personal nature or otherwise. Students will be supported in their own writing but will be introduced to poetry, memoir and other personal writing, and fiction creation. The course will include a variety of prompts for prewriting, time to draft in class, and opportunities to share writing with a community of writers.

Dystopian Literature**- is a course designed to look at the elements of a wide variety of dystopian literature. Various models of dystopias and various types of dystopian heroes will be introduced. Both textual and film analysis will be emphasized with a wide variety of assignments, including but not limited to: discussion, creative projects, technical projects, quizzes, and research. The course is available to 9th through 12th grade students who are interested in the fine arts.

Science Electives

Science Fair**-(Sr. Jr. So. Fr.)This course is an elective course. It is intended to give students an opportunity to explore their varied interests in STEM subjects. Students will incorporate inquiry-based experiences, develop valid scientific questions, and gathering and analyzing data. They will develop scientific reasoning skills, analysis, communication skills, and apply these to real-world applications. The class will culminate in each student completing a project in an area of their choice that is finished and ready for competition.

Forensics**-(Sr. Jr. Academic Sophomores.) This course is an elective course. It is intended to give the student a *basic* understanding of the concepts and principles involved in the forensic sciences. It will incorporate inquiry-based laboratory experiences that engage students in asking valid scientific questions and gathering and analyzing data. Students will be asked to incorporate scientific reasoning skills, analysis, communication skills, and real-world applications in a variety of scenarios and investigations.

Science Current Events**-This course focuses on current events in the world of science as they pertain to student interests within the class. The class is a semester course and can be used to earn science elective credit.

Micro Biology**-This course focuses on the study of microorganisms as they pertain to student interests within the class. Topics of study range from bacteria, to viruses, the effect of microorganisms on everyday life, and disease. The class is a semester course and can be used to earn science elective credit.

Anatomy**-This is course is reserved for juniors and seniors only. Honors Anatomy focuses on the structures and functions of the human body and human body systems. This course can be used as a fourth year science for those students pursuing graduation with Honors.

Physics**

History Electives

History through Film**-

This will be an examination of Hollywood's portrayal of history. Did they get it right, or did they get it wrong? Students will be asked to determine the authenticity of several films which depict historical events and/or historical people.

WWII**- This course will be an examination of the greatest world conflict in all of history. This course will examine the background and cause of World War II as well as the conflict itself, with a brief glimpse of the principal players. Furthermore, students, at the end of the course, should be able to explain how this great conflict of the Twentieth Century shaped the rest of the world.

Ohio History**- This course will examine the establishment of the state of Ohio with a focus on its effect on the indigenous population. A study will be made concerning its place among the other states in the Union and what role it has played throughout American history.

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Civil War** -An examination of America's deadliest conflict of the mid-1800s. This course will examine the background and cause of the Civil War as well as the conflict itself, with a brief glimpse of the principal players North and South.

Current Events** -This course will examine events in real-time. Discussions will center around how these events affect not only the world at large and the United States itself but also individuals.

Fine Arts

Independent Music Study- This is a class for students to work on their individual instruments with help from the band director. Students can work on private lessons, Honor Band auditions or perfecting their playing ability.

Marching Band-A Co-curricular class that meets during school and after school. The Marching band performs at Football Games, Band Competitions and a couple area parades. These performances include the Memorial Day Parade in Ironton. Instruments for this ensemble include Brass, Woodwinds, Percussion and Color guard.

Concert Band-Concert Band meets during the school day. This ensemble performs a concert in March and May including graduation. Instruments include Brass, Woodwinds and Percussion.

Shop Electives

Industrial Technology 1 -Students begin with an intense unit on measuring followed by an exploration in mechanical drawing and basic design and construction techniques. After completing a Unit on shop Safety students will then begin building projects with both hand and machine tools.

Industrial Technology 2 -Students will get a refresher course in measurement followed by a unit of basic electricity. Upon completion of the class session the students will then participate in lab exercises where they will simulate, install and test all electrical components used in residential wiring. Students will spend the second semester exploring advanced design and construction while building individual projects they design.

Drafting -Students will begin with a refresher course in measurement and fractions to enhance their skills as they begin creating single view, multi-view and isometric drawings. The latter half of the second semester will be spent learning and perfecting drawing skills with Autocad computer aided design.

Show Choir

Theater Craft

Intro to Art

Art 1/Art 2

Ceramics

Painting

Drawing

Home Economics Electives

Principles of Food-In this course, students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized.

Family and Consumer Science-This course will provide students with an overview of the four major content areas of Family and Consumer Sciences. Students will be introduced to child development, family relationship concepts and how they relate to family dynamics. Additionally, students will identify financial literacy and consumer economic principles. Students will understand the concepts of design through textiles for personal and home use. Students will also study basic nutrition along with food safety and food preparation concepts. Throughout the course, students will develop communication, leadership and career investigation skills.

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Business Electives

Digital Business/Entrepreneurship**-This course is set up to allow you to learn the ins and outs of creating and managing a business (Entrepreneurship). It will combine basic business foundations such as Accounting, Finance, Marketing and Management in various fields such as Sports and Entertainment, Restaurants, Hotels and even the Fashion and Retail industries. This is an online class format set up as virtual simulations with real-life scenarios. Your choices will have a direct impact on the success (or downfall) of your business.

Computers 1-This course covers the full Microsoft Suite that provides an introduction to the following programs: Word, Excel, Power Point, Publisher and Access. This software is used in many of your other classes, in college as well as in the world of business. Google programs will also be covered so that students are able to use the full range of tools available to them on their Chromebooks. Basic typing is a pre-requisite for this class and a pretest is given at the beginning of the course.

Digital Media**-Seniors and Juniors only. (Preferably that have had the Computer I course.) School video, publishing and design projects are completed in this class. This class takes ordinary year-end projects and adds their own style and flair to personalize them and add Redman pride and originality to everything from Flyers, Award Certificates, Programs and a Video Tribute to the graduating seniors each year.

Personal Finance

Personal Finance-In this one semester course, students will develop personal financial skills for individual and family well-being. Throughout the course, students will develop financial literacy skills to provide a basis for responsible citizenship and financial success. Additional topics will include analyzing services from financial institutions, consumer protection, investing and risk management. This course meets the personal finance graduation requirement.

Financial Literacy Simulation-This course covers the same standards as the Personal Finance course but is an online format. It covers real life lessons on budgeting, banking, credit, paying bills, etc. Each lesson is set up with a short reading assignment with follow up questions, a few basic math questions for each lesson and then a simulation that works through the lesson in a hands-on manner. This is completed on your Chromebooks and google classroom and is accessible from home. The final consists of a comprehensive simulation that has 3 levels to complete and is based on your choices for things such as education and employment while being able to pay your bills.

Foreign Language

Spanish 1, Spanish 2**, Spanish 3****- In Spanish 1, 2 and 3 it is suggested that students need to have a B average in their English class. Grammar skills, parts of speech, and memorization are required for students to be successful in a foreign language. The student must keep an open mind and accept other cultural beliefs and practices. It is necessary that the students study extremely hard and have self-discipline to succeed in class. Throughout the year, daily quizzes, worksheets, and book exercises will be required of the students. In addition, Chapter Exams, Nine Weeks Tests, and Unit Tests will count as a major part of their grade. Extra projects and cultural readings are also mandatory in each level of the foreign language. A geography unit will be covered on foreign countries with students giving oral presentations and being assessed on map tests. The students will also view cultural films and documentaries as part of the cultural connections.

Sign Language 1, Sign Language 2****-American Sign Language 1 and 2 are introductory courses focusing on ASL as a language, Deaf culture, techniques, as well as receptive and expressive communication.

Upon completion of this course, students will

- Enhance their skills receptively and expressively in ASL
- Enhance their skills in vocabulary and fingerspelling techniques
- Develop an understanding of the cultural aspects of the language of ASL
- Develop an understanding of the grammar involved in ASL

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- Develop a greater understanding of the Deaf, their culture, and community

Satellite Electives

Early Childhood Education 10** – This class is an introduction in to the field of early childhood. In this class students will begin to understand the developmental stages of children birth through nine years of age. Students gain hands-on experience working with young children in the Rock Hill Preschool classrooms.

Early Childhood Education 11** - Early Childhood Education course designed to help students gain understanding and knowledge about children birth through nine years of age. The program prepares students for employment in child cares, nursery schools, working as a nanny or au pair, preschools, and Head Start programs. While participating in the program students learn about the growth and development of young children, how to work directly with young children, and learn to implement this knowledge during hands-on lab experiences in the Rock Hill Preschool classrooms.

Early Childhood Education 12**- Early Childhood Education course designed to help students gain understanding and knowledge about children birth through nine years of age. The program prepares students for employment in child cares, nursery schools, working as a nanny or au pair, preschools, and Head Start programs. While participating in the program students learn about the growth and development of young children, how to work directly with young children, and learn to implement this knowledge during hands-on lab experiences in the Rock Hill Preschool classrooms. This experience may be applied toward obtaining a Child Development Associate Credential (CDA).

First Aid**-This is a semester course where students learn the basics of First Aid and pathogens. At the end of this course the student will be certified in CPR.

Human Body Systems (10th Biomed)**-Welcome to Human Body Systems [HBS]. You will investigate the interactions of body systems and discover the effects of a system failing to function and the resultant impact on homeostasis. The activities and projects will investigate identity, communication, power and movement. It will also allow you to design experiments to solve problems and explore how body systems interact to maintain homeostasis. You will use data acquisition software to monitor body functions such as muscle movement, respiration, reflex and voluntary action. Throughout the year you will be constructing organs and muscles that will be incorporated into a skeletal Manikin. You will also study real-world medical cases and examine how medical professionals solve the cases.

Medical Interventions (11th Biomed)**-Welcome to Medical Interventions (MI). You will follow the life of a fictitious family, the Smiths, as they investigate how to prevent, diagnose, and treat disease. You will explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, you will be exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics

Biomedical Innovations (12th Biomed)**-In the **Biomedical Innovation** course, students will be asked to apply what they have learned in the previous three courses to solve unique problems in science, medicine, and healthcare. Each problem is staged as a mission—a unique set of tasks the students must work through to achieve their desired objective.

Sports Medicine**-Students will apply procedures and techniques used in athletic training and in the care and rehabilitation of athletic injuries and therapeutic exercise. Topics include injury prevention, conditioning, and wound care techniques of the musculoskeletal system. Students will learn techniques in the analysis of mechanical

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factors related to human movement. In addition, current trends, technology, legal considerations, and the role of exercise science in relationship to other health fields will be emphasized.

Principles of Engineering (10th)**

Environmental Science (11th Engineering)**

Digital Electronics (12th Engineering)**

Other

Weightlifting

Project More**