## York Adams Academy

Curriculum Guide
To complete graduation requirements at York Adams Academy, a student must successfully complete a minimum of 23 credits in the following subject areas:

| Subject Area | Credits Needed |
| :---: | :---: |
| English | 4 |
| Social Studies | 4 |
| Science | 3 |
| Math | 3 |
| Health and Physical Education | 1 |
| Elective Courses | 7 |
| Senior Project (Career Awareness) | 1 |
| Total Credits | $\mathbf{2 3}$ |

## Course Offerings

| Subject | PDE <br> Code | Course Title | Course Number | Credit(s) | Course Description |
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| English | E10011 | English 9 | E101 | 1 | Part I-In this course, students are exposed to literary <br> reading in each of the following genre: fiction, non- <br> fiction, poetry, and general reference texts. A variety <br> of interesting strategies for exploring the selections <br> help to meet the diverse needs of the 9th grade <br> student. Beyond the text selections, various <br> informational, persuasive, and practical living <br> selections have been inserted to assist students in <br> relating what they read to the larger world--and to |


|  |  |  |  |  | their own lives. Active reading strategies, vocabulary building assignments and skill building in revising and editing are included. Feature articles and personal narrative writing are given considerable measure. Strategies to attack prompts for writing open response questions (ORQ's) are available. <br> Part II- In this section, students are exposed to literary reading of fiction, non-fiction, poetry, and drama. A variety of interesting strategies for exploring the selections helps to meet the needs of the 9th grade student. Active reading strategies, composing monologues and reflective writing are given considerable measure, as well as strategies to read, evaluate, and analyze internet material, newspaper and magazine features, and other informational writing. Beyond the text selections, various informational and practical living selections have been inserted to assist students in relating what they read to the larger world- and to their own lives. |
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|  | 01051 | English 10 (Advanced) | E201 | 1 | Part 1-This is a culturally diverse course, organized thematically around fiction, non-fiction, poetry, writing, and grammar. Whether through reading authors such as Mark Twain, Ray Bradbury, or James Herriot, students will be exposed to issues from many corners of the globe and, consequently, will make personal connections to today's world. <br> In addition to offering carefully chosen literary selections, the course instructs students how to write a memoir, a poem, and a variety of transactive writings. As a challenge to students' critical thinking skills, students will respond to a number of related open response questions. |


|  |  |  |  |  | Part II-This section assists students to focus on the works of many major writers, gather information about their lives, and insight into the real person behind their now-famous literary works. Students will be asked to relate what they read in these works to the real world and to their own lives through critical thinking, use of reading strategies, vocabulary skills, context clue meaning and literary analysis. <br> Grammar skills are built on instruction generated by the literature. Many exercises offer prompts for writing, requiring evidence to support their thinking and to present ideas in a logical order. Strategies for revising and proofreading a response are evident. |
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|  | 01003 | English 11 (Basic) | E300 | 1 | Part I-This course offers a new and positive approach toward the study of literature, writing, and language. The selections in this course represent a carefully chosen combination of old favorites and classics, as well as fresh new fiction and non-fiction literary works. Combining the old with the new adds meaning and relevance to the classics and depth and understanding to the newer, more contemporary works. Such combinations also incorporate a broad range of authors whose works reflect the cultural diversity of today's ever-changing world. <br> Part II-This section presents a study of American literature from 1900 to the present. It has four major divisions; who we are, how we live, what we believe, and how the American dream affects us. The literature includes fiction, non-fiction, newspaper and magazine articles, poetry, and drama. The literature has been selected to enhance the students' understanding of himself or herself and the world in |


|  |  |  |  |  | which we live and to motivate the student to share his or her understanding through written assignments. |
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|  | 01054 | English 11 (Advanced) | E301 <br> American Literature | 1 | Part I-This course is designed to review reading skills, to introduce you to the history of American writing from the Native Americans to the Colonists, the Puritans, the Romantics, the Gothic and the Southern Gothic writers. For each unit you also have a chance to read more contemporary writings based on themes similar to what the earlier Americans champion in their writings. You will read historical narratives, fiction, opinions, and political writings. There is surely something in this grouping that will attract your attention and make you want to argue or agree with the author. <br> You will also have the opportunity to complete two of your writing portfolio assignments: a memoir (personal writing) and a monologue (literary writing). <br> You will practice open response questions, using the internet for research and creating a table using your word processing program. You will also hone your grammar and vocabulary skills. <br> Part II-This section presents a study of American literature from 1850 to the present. It has four major divisions: Conflict and Expansion, The Changing Face of America, the Modern Age, and War Abroad and Conflict at Home. The literature includes fiction, non-fiction, newspaper articles, poetry, and drama. In addition, writing assignments teach the student to write a personal narrative, a persuasive letter, and a letter to the reviewer. |


| 01004 | English 12 (Basic) | E400 | 1 | Part I-This section includes a study of literature <br> through short stories, poems, biographies, essays, <br> and drama. Students are asked to explore their <br> thoughts through writing. Grammar lessons are also <br> studied throughout the units. |
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|  |  |  |  |  | vocabulary skills are also included. <br> Part II-This section assists students to focus on skills instruction and assessment that naturally flows from the selections of many major writers, requires gathering information about their lives, and gaining insight into the real person behind their classic literary works. Students are asked to relate what they read to the real world and to their own lives through critical thinking, use of reading strategies, vocabulary skills, context clue meaning and literary analysis. Many exercises offer prompts for writing, requiring evidence to support their thinking and to present ideas in a logical order. |
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|  | 01097 | Build Your Own Course: <br> Literature | E001 | 1 | YAA offers learners the ability to design a course that explores topics of their choosing in Literature. Learners will be required to design their area of study in Literature, develop assessments, and meet regularly with their mentor. Areas of study must be approved by the director and a mentor will be assigned. BYOC can be selected once (in Literature) for an elective credit and will be graded as pass/fail. Please see a teacher for the form. |
| Mathematics |  |  |  |  |  |


| 02153 | General Mathematics | XNGM200 | 1 | Part 1-The purpose of this course is to provide an <br> introduction to math concepts and terminology. The <br> course begins with numeral recognition and progresses <br> into a review of addition, subtraction, multiplication <br> and division. Operations on fractions are the main <br> emphasis of this part of the course. <br> Part II-This section is designed for the student who |
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| needs remediation in basic arithmetic skills. Topics <br> include whole numbers, decimals, percentages, <br> introductory algebra and elementary geometry. |  |  |  |  |
| 02154 | Business Mathematics | X300 | 1 | Part 1-This course covers some basics that students <br> will need for consumer and business use. Topics <br> covered include gross income, net income, record <br> keeping, checking accounts, saving accounts, and <br> cash purchase. Students are introduced to tax forms <br> and are expected to review basic math topics such as |


|  |  |  |  |  | fractions, decimals, and percents. <br> Part II-This section of the course covers topics that <br> include charge accounts, credit cards, loans, vehicle <br> transportation, housing costs, insurance and <br> investments. Students will also be expected to <br> review some basic math concepts. |
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|  | 02069 |  | Algebra Lab |  | X400 |
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|  |  |  |  |  | which must be mastered before solving complex algebraic expressions. It reviews the fundamental arithmetic concepts of combining like terms and factoring, discusses integers, and introduces the student to simple equations. Equations are used to solve number, percent, and formula problems. Powers, inequalities, and absolute values are introduced. The course emphasizes operations needed to add, subtract, multiply and divide polynomials. An understanding of basic mathematical skills is necessary for success in this course. <br> Part II-This section builds on the fundamental concepts learned in Part I. Knowledge of factoring is expanded. Math processes used with radical expressions are studied applying the knowledge to solve equations and word problems. Graphs and slopes are introduced, as well as a study of rational and irrational numbers. |
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|  | 02056 | Algebra II | X103 | 1 | Part I-This course is designed to review mathematics skills and build on students' basic understandings by exploring relationships shown in a variety of ways. Students will look at visual representations of relationships by interpreting scatter plots, graphs without scales and functions. Students solve and graph equations/inequalities and solve real-world problems by writing equations. In addition, students will learn how to graph two-variable linear equations, use the slope of a line to interpret real-world situations, learn about the forms of a linear equation and connect them to statistics and geometry. <br> Part II- This section is designed to build on skills |


|  |  |  |  |  | previously learned. Students will learn how to do the following: use a graphing calculator, solve systems of equations, solve quadratic equations, find square roots, graph quadratic functions, use the quadratic formula. Also covered are exponents, exponential function, exponential growth and decay, scientific trigonometric ratios, addition and subtraction of radicals, solving radical equations, and graphic square root functions. Student will analyze realworld data using standard deviation. Adding and subtracting of polynomials, including multiplying and factoring them is also a part of the course. Finally, students will gain experience in finding inverse variation, counting outcomes and permutations, and determining combinations. |
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|  | 02071 | Geometry | X201 | 1 | Part I- This course develops skills in reasoning and problem solving strategies, and uses geometric properties to solve real-world problems. Students will solve problems involving properties of triangles, quadrilaterals, and polygons. The student will apply properties and solve problems using altitudes, Pythagorean Theorem, its converse and Pythagorean Triples. The student should understand transformations and spatial relationships. This course introduces the student to three dimensional objects <br> Part II-This section provides the student with exposure to the types of mathematical reasoning and problem solving that will be important in the students' future. The student will develop reasoning and problem solving strategies, use geometric properties to solve real-world problem, communicate in writing, and study and learn independently. |


|  |  |  |  |  | Problem solving includes properties of triangles, <br> quadrilaterals, polygons, and circles. |
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| Science |  |  |  |  |  |
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|  | 039992 | General Science | C100 | 1 | Part I-In this course, students are given an overview of topics concerning the physical sciences. They begin by learning about how scientists collect, organize, and analyze information. Universal forces (gravitational, electromagnetic, strong nuclear, and weak nuclear) are covered. Forces and motion (measuring motion, acceleration, and motion and force) are investigated, which lead into the presentation of Newton's First, Second, and Third Laws of Motion. <br> Part II- In this section, students are given an overview of topics concerning the physical sciences. They begin by studying energy transfer and conservation of energy, which includes gravitational potential energy, kinetic energy, work, power, and wave properties. <br> Thermodynamics and plate tectonics are then covered. Evolution of the Earth and half-life are investigated, which leads into the presentation of global climate, weather, and the biogeochemical cycles (carbon dioxide-oxygen cycle, nitrogen cycle, and water cycle). |


|  | 031592 | Physical Science | C200 | 1 | Part I-This course will teach the student how to think like a scientist and covers the following topics: Laboratory Safety, the Big Bang Theory, Nucleosynthesis, Nuclear Reactions, Elements, and the Periodic Table. These topics will give the student an opportunity to better understand the physical world. <br> Part II-In this section, the topics of Chemical Bonding, Intermolecular Forces, Chemical Equations, Chemical Reactions, Biochemical compounds, and Biogeochemical Reactions are covered. These topics will give the student an opportunity to better understand the physical world. Exploring how elements react to form compounds and the forces that bind those compounds together (Intermolecular forces) will give the student an insight into the physical and chemical properties of substances we see and use each day. Students will be given the opportunity to describe the components and reservoirs involved in biogeochemical cycles (Water, nitrogen, carbon, phosphorus, sulfur, and oxygen) and explain the movement of matter and energy in biogeochemical cycles and related phenomena. |
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|  | 03051 | *Biology (Mandatory) | C201 | 1 | Part I-In this course students are introduced to the tools used by biologists, scientific measurements, and the scientific method. They will learn the features of living things, the cell and the classification system used to categorize all organisms. In addition, students will learn about the cell and how it functions and cell division (both mitosis and meiosis) will be outlined and illustrated in detail. How organisms obtain and use energy is covered in photosynthesis and cellular respiration. Students will |


|  |  |  |  |  | focus on genetics and the roles of DNA and RNA. Attention is given to current research in the field of genetics. <br> Part II-In this part of the course, students are introduced to the history of life covering fossil evidence, geologic time periods, origin of life, mechanisms of evolution, primate evolution and Hominoid/Hominid and Human Ancestry. Ecology, behavior, ecosystems, populations and communities including aquatic ecosystems will be addressed. The dynamics of ecosystems such as the ecology of organism populations, variety in life, threatening, conserving and preserving biodiversity will be studied. Special attention will be paid to the mammals and their specialized traits, behaviors and adaptations for success. The human population, the dynamics of its growth and the nature of infectious diseases, as well as, noninfectious disorders will be examined. |
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|  | 03053 | Anatomy/Physiology | C400 | 1 | Part I-In this course, students will be introduced to the basic anatomy and physiology of the human body. Also included are overviews of pathological disorders as they affect body systems. Students are exposed to a board variety of vocabulary as related to anatomy and physiology <br> Part II-In this part of the course, students will learn about the respiratory system the transport systems, the regulatory systems, the endocrine systems, reproduction and heredity. |
|  | 03001 | Earth Science | C500 | 1 | Part I- This course covers the following topics: the origin of the Earth, minerals and rocks, weathering of rocks, erosion of rocks, and major land movements. |



|  | 04001 | World Geography | S200 | 1 | Part I-In this course students will compare, contrast, and analyze the physical features: landform regions, climates, agriculture, natural resources, industry, population patterns, cultural diversity, and trade of the following regions: United States Canada, Middle and South America, Europe (including Russia). <br> Part II-In this section of the course, students will compare, contrast, and analyze the following geographic regions: Southwest Asia, Africa, East Asia, the Pacific World, Antarctica, and Australia. |
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|  | 04051 | *World Civilization (Mandatory) | S201 | 1 | Part I-This course introduces and reviews geography, government, world religions, The Middle Ages, The Renaissance, Reformation, The Age of Exploration, Absolute Monarchies, revolutionary ideas, The French Revolution and The Age of Industry. |


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|  |  |  |  | gender, age, and health. The seven social institutions are examined and the changing social world with an emphasis on collective behavior, population and urbanization is discussed. |
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| 04254 | Psychology | S402 | 1 | Part I-In this course students are introduced to the study of psychology, psychological theory, and to research methods of psychology. Students will discover the psychological influence on behavior and will study the states of consciousness. Students will learn about their motivations and emotions, and finally, students will examine the issues of development, maturation and gender as they work to understand themselves and others. <br> Part II-In this section of the course, students are introduced to the various theories of learning. They will discover how human beings acquire and retain information and will learn the pros and cons of intelligence testing. Students will examine personality theories and various personality tests, mental disorders and treatments, and students will affirm the need to sometimes seek help with their own problems. Finally, students will learn to recognize stress in their lives and will determine helpful ways to cope with stress. |
| 04151 | Government/Politics | S403 | 1 | Part I-In this course students study the origins and nature of government and the political beginnings of the United States. Students discover the origin and contents of the Constitution, examining the underlying principles and seeing how those principles affect political life. Students learn how political parties and interest groups operate and study the effects of public opinion on candidates and elections. Finally, students study the organization of state and |


|  |  |  |  |  | local government. <br> Part II-In this section of the course, students will study the Legislative and Executive branches of the US. Government. Students examine how the government works at home and abroad. In addition, students study the Federal Court System, and spend time on the First Amendment Freedoms and Civil Liberties. |
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|  | 04201 | Economics | S405 | 1 | Part l-This course gives students an overview of topics concerning practical economics and microeconomics in the United States. Students learn the basics of economics with an emphasis on how historical events and decisions have influenced today's economic climate. Students discover how their role as individual and society members influence the economic culture by exploring the impact they have through credit, buying power, and savings. Students are immersed in microeconomics by exploring the law of supply and demand, how businesses are organized and operated, and how various types of competition affect the American economy. <br> Part II-In this section, students further explore the impact of microeconomics, and they are introduced to macroeconomics. Students study marketing and distribution and the impact of the American labor force. How the economy is measured and tracked, banking, the Federal Reserve System, and government's influence on monetary policy are also studied. Lastly, students receive an overview of America's place in the global economy and are introduced to other countries' economic situations. |


|  |  |  |  |  | This includes the concept of world trade, exploring <br> economic growth in developed and developing <br> nations, and the influence of global economic <br> integration and interdependency. |
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|  |  | African American History | S414 | 1 | Part I-This course begins around 3200 B.C. and <br> continues to 1860. The course focuses on an in- <br> depth study of Africans and African Americans, <br> including their history, culture, and contributions <br> during this period in history. Emphasis is placed <br> upon the geographic origins of African people and <br> the economic and political forces that brought them <br> to America. The course provides insights into the <br> barriers that African Americans have had to <br> overcome. |


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|  | 04097 | Build Your Own Course: U.S. History | S002 | 1 | YAA offers learners the ability to design a course that explores topics of their choosing in U.S. History. Learners will be required to design their area of study in U.S. History, develop assessments, and meet regularly with their mentor. Areas of study must be approved by the director and a mentor will be assigned. BYOC can be selected once (in Social Studies) for an elective credit and will be graded as pass/fail. Please see a teacher for the form. |
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|  | 04051 | Build Your Own Course: World History | S001 | 1 | YAA offers learners the ability to design a course that explores topics of their choosing in World History. Learners will be required to design their area of study in World History, develop assessments, and meet regularly with their mentor. Areas of study must be approved by the director and a mentor will be assigned BYOC can be selected once (in Social Studies) for an elective credit and will be graded as pass/fail. Please see a teacher for the form. |
|  <br> Physical <br> Education |  |  |  |  |  |
|  | 08051 | Health | P101 | . 5 | This course provides students information on the various health topics that students need to make sound decisions about their health. A holistic approach is given with emphasis on mental, social and physical well-being. Accurate health information is given so that the student can develop healthful attitudes and behavior patterns. |


|  | 08047 | Physical Education | P102 | .5 | This course requires students to maintain an <br> accurate log of their physical education activities and <br> submit this log to their teacher to receive credit. |
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| Senior <br> Project |  |  |  |  |  |
|  | 22151 | Career Awareness | CAREER | 1 | Part I- In this course students explore their career |
| possibilities through learning their strengths and |  |  |  |  |  |
| weaknesses as individuals. We use a practice form of |  |  |  |  |  |
| the ASVAB in order to determine areas of specific |  |  |  |  |  |



|  | 22104 | Community Service | COMM | .5-3 | Students who elect to take this course may choose to earn a minimum of a half credit, up to a maximum of three credits. In order to receive credit for the course, students are required to complete a minimum of 25 hours of community service per half credit, along with the designated coursework. All community service hours must be done outside of the student's designated class time. No court-issued community service will be counted towards the number of volunteer hours needed to earn credit(s) for this course. |
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|  | 12051 | Intro to Business | B100 | 1 | Part I-This course will introduce you to the world of |


|  |  |  |  |  | business and help prepare you for the economic roles of consumer, worker, and citizen. The course serves as a background for other business courses you may see in high school and college, assist you with consumer decision making, prepare you for future employment, and help you effectively perform your responsibilities as a citizen. <br> Part II-This section of the course will introduce you to the proper use of banking services, the fundamentals of credit, savings and investment strategies, the fundamentals of insurance, and personal financial management. |
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|  | 04164 | Business Law | B307 | 1 | Part I-This course covers the following topics: understanding the law, understanding special laws, contracts-making binding agreements, and buying and selling goods. <br> Part II-This section of the course provides a study of law which arises from life experiences, and plays a vital active part in daily life. The course covers the fundamentals of credit, employer and employee relationships through laws and unions, and all types of insurance (automobile, social, and life). |
|  | 08055 | CPR/First Aid | CPR | . 5 | In this course, students will gain the knowledge need to perform CPR and basic first aid, while understanding the importance of other health and safety issues. |
|  | 01101 | Writers Workshop I | E100 | 1 | This course provides the students with a chance to be introduced to various elements of short stories, poetry, drama, and the novel. It also exposes students to varied literary techniques and devices. Selections include both fiction and non-fiction. Grammar review assignments are also contained in |


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| 01103 | Writers Workshop II | E200 | 1 | This course provides the students with a chance to be introduced to various elements of short stories and drama. Both fiction and non-fiction are explored. Included with the study of literary techniques and devices are grammar review assignments. |
| 01101 | Writing in the Workplace | E600 | . 5 | This course is designed to help students refine their writing skills to be career ready. In the workplace, the employee will often have to provide information, explain procedures, and effectively communicate their ides in writing. Since the employee will also need to be able to adapt their writing to different readers, each theme in this course focuses on writing to a particular audience. These audiences include: co-workers, supervisors, customer and clients. The lessons within these themes will help the student learn how to write effectively for each type of audience. |
| 22204 | Parenting | H200 | 1 | Part I-In this course, students will assess the impact of parenting on individuals, families, and society. The course serves as a background for students to explore the myths and realities of parenting, understand prenatal development, and the birth process. <br> Part II- In this section, students will discuss best practices for caring, nurturing, and guiding children from birth to early adulthood. |


|  | 22998 | Career Internship | Cl100 | .5-3 | This course provides students the opportunity to earn a half credit up to three credits by successfully completing the work co-op experience. Students will need to demonstrate an understanding of the following topics as part of the requirements: Work disciplines, work readiness, navigating the labor market, work world decisions, conditions for employment, work behaviors, career tracks and work situations. Students must also complete 50 hours per half credit of supervised employment at an approved job site and write a report describing the work experience. All work coop hours must be done outside of the student's designated class time. |
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|  | 01069 | Greek Mythology | E500 | . 5 | This course begins with a description of why studying mythology is an important way to enhance one's understanding of the modern world. Students will study historical, cultural, religious, and political aspects of Greek society from approximately 2600 $B C$ through the Bronze Age. The course provides students a background of the Greeks from an agrarian society to one that evolves into a theocracy that greatly influenced the Grecian people. In addition, students will be exposed to artwork and poetry and make ties to current historical sites, symbols, and word origin. |
|  | 01149 | Digital Citizenship | E700 | . 5 | This course provides students with videos, readings, and interactive exercises based on information on how to be safe and informed on the internet. Topics covered include media balance and well-being, privacy and security, digital footprint and identity, relationships and communication online, cyberbullying, digital drama and hate speech, and an introduction to news and media literacy. In this way, students will navigate their responsibilities and privileges as an internet user, especially on social media. |

*Note for electives: Any course listed in this guide may be used as an elective credit except for Physical Education (LOG)

