

# RIDGWAY AREA HIGH SCHOOL

## 2025-2026 COURSE DIRECTORY

### ENGLISH LANGUAGE ARTS

Course Name: **ENGLISH 9**

Course #: 221

# Credits: **1.0**      Grade(s) 09  10  11  12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: English 9 is a survey literature course intended for students who plan to pursue higher education or enter directly into the work force. Students will study a variety of genres including short stories, nonfiction, drama, poetry, and a novel. Through the reading of these literary works, students will strive to improve their reading comprehension and literary analysis skills while completing tasks requiring critical thinking and evidence based writing. This course will also assist students in developing and refining their research, writing, and speaking skills while adhering to the rules of MLA style.

Course Name: **ACADEMIC ENGLISH 9**

Course #: 200

# Credits: **1.0**      Grade(s) 09  10  11  12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 3

Prerequisite(s): It is recommended that an 90% or better be obtained in 8<sup>th</sup> grade English and/or teacher recommendation

Course Description: Academic English 9 is an accelerated course for college bound students, which will explore complex works of literature across a variety of genres including poetry, short stories, nonfiction, novels, and drama. The literary works studied will provide opportunities for creative projects, critical writing, and analytical discussions. Additionally, critical thinking, independent work, and evidence based writing will be emphasized. This course will also assist students in developing and refining their research, writing, and speaking skills through a variety of assignments including a detailed research project utilizing MLA style citations that will culminate in an oral presentation.

Course Name: **ENGLISH 10**

Course #: 222

# Credits: **1.0**      Grade(s) 09  10  11  12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: English 10 is a survey literature course intended for students who plan to pursue higher education or enter directly into the work force. Students will study a variety of genres including short stories, nonfiction, drama, poetry, and novels. Through the reading of these literary works, students will strive to improve their reading comprehension and literary analysis skills while completing tasks requiring critical thinking and evidence based writing. This course will also assist students in developing and refining their research, writing, and speaking skills while adhering to the rules of MLA style.

Course Name: **ACADEMIC ENGLISH 10**

Course #: 201

# Credits: **1.0**      Grade(s) 09  10  11  12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 3

Prerequisite(s): It is recommended that an 85% or better be obtained in 9<sup>th</sup> grade Academic English or 90% in English 9

Course Description: Academic English 10 is an accelerated course for college bound students, which will explore complex works of literature across a variety of genres including poetry, short stories, nonfiction, novels, and drama. The literary works studied will provide opportunities for creative projects, critical writing, and analytical discussions. Additionally, critical thinking, independent work, and evidence based writing will be

emphasized. This course will also assist students in developing and refining their research, writing, and speaking skills through a variety of assignments including a detailed research project utilizing MLA style citations that will culminate in an oral presentation.

Course Name: **ENGLISH 11**

Course #: 223

# Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: The 11<sup>th</sup> grade General English course is an integrated course of language arts instruction with an emphasis on reading, writing, listening, and speaking skills essential for success as students seeking to further their education. The literature text includes selections from American Literature. Students learn and use various thinking and organizational skills. Students further their development of reading and writing skills through a literature-based curriculum and a variety of written forms including analytical writing. Students further their development of speaking and listening skills through oral presentation and class or small group discussions. In addition, this course addresses standardized test preparation, research skills, and technology integrated literature and writing assignments.

Course Name: **ENGLISH 12**

Course #: 204

# Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: The 12<sup>th</sup> grade General English course is an integrated course of language arts instruction with an emphasis on reading, writing, listening, and speaking skills essential for success as students seek to further their education. Students learn and use various thinking and organizational skills. Students further their development of reading and writing skills through a literature-based curriculum and a variety of written forms including informative and argumentative writing. Students further their development of speaking and listening skills through a variety of written forms including the completion of a Senior Research Paper / Project related to their future career plans.

Course Name: **PITT ENGLISH COMPOSITION**

Course #: 202

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 4

College: University Pitt Bradford – 3 college credits

Prerequisite(s): 90% or better in Academic English 10 is recommended

Course Description: Pitt English Composition I is recommended for serious academic students who are interested in attending a 4-year college or university. Students must obtain at least a “C” overall average to be granted credits within the PA state school system. For other schools, it is recommended that student inquire directly with the college of interest. Students will focus on developing an understanding of the various kinds of academic writing (i.e., Argument, Rhetorical/Critical Analysis) and on the production of effective college-level essays and research papers that emphasize critical thinking, reading and writing. Students will additionally read and respond to poetry, fiction, and non-fiction with an emphasis on traditional and modern American Literature selections.

Course Name: **PITT LITERATURE**

Course #: 203

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 4

College: University Pitt Bradford – 3 college credits

Prerequisite(s): 90% or better in Pitt English Composition is recommended

Course Description: Students in Pitt Literature and Interpretation is recommended for serious academic students who are interested in attending a 4-year college or university. Students must obtain at least a “C” overall average to be granted credits within the PA State School System. For other schools, it is recommended that students inquire directly with the college of interest. Pitt Literature’s requirements of students model that of A P Literature with the exception of less direct A P exam instruction. The Senior Project Research Paper is imbedded into this course as well as the literature study. This course will examine meaning and purpose in traditional and contemporary Global Literary and non-fictional text selections, and

introduce students to critical literary lenses and methods of literary interpretation. This course will require student's engagement as well as analysis as a prelude to a lifelong relationship with literary fiction and non-fiction.

Course Name: **AP LITERATURE & COMPOSITION**

Course # : 220

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 5

College: Varies with score of 3,4,5

Prerequisite(s): 93% or better in Pitt Composition is recommended

Course Description: A P Literature and Composition is recommended for serious academic students who are interested in attending a more highly selective college or university that may not recognize Pitt Dual-Enrollment credits. Students in this course can expect to read works of literary merit and to respond analytically in writing, including researched based writing as well as in-class timed essays in preparation for the A P Literature exam that is required to be taken in the spring. The Senior Project Research Paper is imbedded into this course as well as the literature study. This course will examine meaning and purpose in literary and non-literary texts and introduce students to critical literary lenses and methods of literary interpretation. This course will require student's engagement as well as analysis as a prelude to a lifelong relationship with literary fiction and non-fiction. AP Literature also includes AP exam preparation including timed writing simulations in poetry, prose and literacy argument to prepare students for the required College Board AP exam.

Course Name: **CREATIVE WRITING (ELECTIVE)**

Course # 210

Credits: 1.0 or .5      Grade(s) 09  10  11  12

Course Length: ½-FULL

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: Creative Writing is an elective available to students in 10-12<sup>th</sup> grade interested in experiencing writing as a tool for intellectual exploration, self-discovery, and creative expression, via the creation of original poems, stories and personal essays. Students will be expected to keep up with reading as well as writing activities and assignments as they relate to the creation of original fiction and non-fictional works. A focus of this introductory course will be on the establishment of a writer's "voice" as well as embracing the art of subsequent revision. The course curriculum demands that students balance freedom with structure in keeping up with a variety of experimental written forms but will, when possible, allow for student choice in developing the writer's craft that will best benefit the individual writing goals of each student. This course can be taken multiple times.

Course Name: **ADVANCED RESEARCH WRITING ELECTIVE**

Course #: 226

# Credits: .50      Grade(s) 09  10  11  12

Course Length: ½ YR

Is College Credit Available for this Course?  Yes  No

Weighted Level:

Prerequisite(s): Satisfactory passing grades in prior English Class(es)

Course Description:

Advanced Research is recommended for students who are interested in furthering their education in a degree program of 4 years or more following high school. This course will prepare students for Advanced Research Writing across the disciplines via mapping strategies, research studies and scholarly articles (accessed via RHS databases), annotated bibliographies, field research, and the use and formatting of charts, diagrams, and tables. This course also highlights sentence style, academic usage, and grammatical concerns at an advanced level of research writing. This course is recommended for students across the academic disciplines who anticipate that they will be required to employ higher levels of reading and research skills in regard to their future college and career plans.

## MATH

Course Name: **INDUSTRIAL MATH**

Course #: 712

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Industrial Math offers a review of algebraic and geometric skills as they apply to real world problems for students who may pursue careers in manufacturing and other industrial settings. A focus is placed on necessary industrial mathematic applications. Students will explore linear algebra, triangle trigonometry, basic number theory, and real-life problem solving. Algebra, Geometry, statistics, probability, right triangle trigonometry, and transformations are included. Graphing calculators and computer technology are incorporated throughout the course.

Course Name: **ALGEBRA I**

Course # : 699

Credits: 1.0      Grade(s) 09 10 11 12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): none

Course Description: : Algebra I aims to build a foundational understanding of abstract mathematics, with special focus on the means of representation and methods for manipulation of numerical quantities and operations as conveyed by symbols. Over the course of the year, students will consider topics including function notation, linear equations and inequalities, exponents, polynomial representation and factoring, and the basics of advanced functions (exponential, quadratic, radical). Students will develop an understanding of these topics through a problem-based, constructivist approach to knowledge discovery. The course will give students the skills needed not only for higher-level mathematics, but for science, technology, engineering, medicine, economics and positive citizenship.

Course Name: **ALGEBRA II**

Course # : 700

Credits: 1.0      Grade(s) 09 10 11 12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 3

Prerequisite(s): Completion of Algebra I/Algebra IB

Course Description: : The topics covered in college algebra II are functions—linear, radical, and quadratic—and their graphs, rational expressions, linear and compound inequalities, rational exponents, solving systems of linear equations, and solving quadratic equations. We will apply technology through the use of graphing calculators to a variety of real life situations.

Course Name: **ALGEBRA III (ELECTIVE)**

Course # : 703

Credits: 1.0      Grade(s) 09 10 11 12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 3

Prerequisite(s): Completion of Algebra I and II

Course Description: This course provides further insight to the topics discussed in Algebra I and Algebra II. The purpose of this course is to prepare students for College Algebra and Calculus. Our goal is to develop good equation solvers. People who are good equation solvers tend to successfully solve problems in their personal/career lives. Algebra III will include the following topics: Quadratic Functions and Transformations, Equations of Second Degree, Polynomial Functions, Exponential and Logarithmic Functions, Matrices and Determinants, Sequences, Series, and Mathematical Induction, Counting and Probability, and lastly Statistics and Data Analysis.

Course Name: **GEOMETRY**

Course # : 704

Credits: 1.0      Grade(s) 09 10 11 12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 3

Prerequisite(s): Completion of Algebra I/Algebra IB

**Course Description:** Geometry introduces the study of points, lines, planes, segments, polygons, circles, solid figures, and their associated relationships as a mathematical system. Emphasis is placed on description and use of inductive, deductive, and intuitive reasoning skills. Power of abstract reasoning, spatial visualization and logical reasoning patterns are improved through this course. The focus is on comparisons between these figures concerning surface areas, volumes, congruency, similarity, transformations, and coordinate Geometry. Algebra I skills are used throughout the course.

**Course Name:** **TRIGONOMETRY**

**Course # :** 705

**Credits:** 1.0      **Grade(s)** 09  10  11  12

**Course Length:** 1 YR

**Is College Credit Available for this Course?**  Yes  No

**Weighted Level:** 3

**Prerequisite(s):** Completion of Algebra I, Algebra II, Geometry

**Course Description:** Trigonometry is designed to provide students with a balanced approach to mathematics, including: conceptual understanding, procedural fluency, strategic competence, adaptive reasoning, and productive disposition. Trigonometry promotes in-depth understanding of the concepts and mathematical thinking necessary for College Algebra and Calculus. Trigonometry will include the following topics: Preparing for Pre-Calculus, Functions from a Calculus Perspective, Power, Polynomial, and Rational Functions, Exponential and Logarithmic Functions, Trigonometric Functions, and lastly Trigonometric Identities and Equations.

**Course Name:** **PITT PRE-CALCULUS/MATH 0132**

**Course # :** 706

**Credits:** 1.0      **Grade(s)** 09  10  11  12

**Course Length:** 1 YR

**Is College Credit Available for this Course?**  Yes  No

**Weighted Level:** 4

**College:** University Pitt Bradford - 4 college credits

**Prerequisite(s):** Algebra II and Geometry

**Course Description:** . The topics include intermediate algebra, functions and graphs, polynomial functions, rational functions, inverse functions, logarithmic and exponential functions, and trigonometry.

**Course Name:** **PITT CALCULUS/MATH 0140**

**Course # :** 707

**Credits:** 1.0      **Grade(s)** 09  10  11  12

**Course Length:** 1 YR

**Is College Credit Available for this Course?**  Yes  No

**Weighted Level:** 4

**College:** University Pitt Bradford – 4 college credits

**Prerequisite(s):** Pitt PreCalculus/Math 0132

**Course Description:** The first term of a three-term sequence required of all engineering, mathematics, and chemistry majors, and is the basic course leading to all advanced courses in mathematics and the natural and physical sciences. A study of the derivative, trigonometric functions, the integral, and applications of the derivative and the integral.

**Course Name:** **INTRODUCTION TO STATISTICS (ELECTIVE)**

**Course # :** 691

**Credits:** 0.5      **Grade(s)** 09  10  11  12

**Course Length:** 1/2 YR

**Is College Credit Available for this Course?**  Yes  No

**Weighted Level:** 2

**Prerequisite(s):** None

**Course Description:** Introduction to Statistics is intended for students in a wide variety of areas of study. Topics discussed include central tendency, displaying and describing data, the normal curve, regression, probability, Statistical Process Control with applications in the real world. Students also have the opportunity to analyze data sets using technology via the TI-83 Graphing Calculator.

Course Name: **SAT MATH PREP**

Course #: 690

Credits: 0.5      Grade(s) 09  10  11  12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: The SAT Math Prep course will provide students with the skills needed for success on the math component of the national college admissions test, as well as related college admissions tests like the ACT. The course will function to refine student skills in elementary algebra, with focus on linear functions and systems of linear functions; data analysis; fundamental geometry and trigonometry; and introductory advanced algebra, with focus on non-linear functions. SAT Math Prep will offer an extension of concepts considered in Algebra I and II, Geometry, and Trigonometry, with a unique emphasis on the application of central mathematical concepts in problem-based scenarios. Through the use of specially-designed SAT practice exams and related materials, students will strengthen their test-taking abilities concurrent with the development of test-relevant math skills.

Course Name: **Math for Everyday Life**

Credits: 0.5      Grade(s) 09  10  11  12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: Math for Everyday Life is a course that is designed to emphasize the critical thinking involved in understanding common uses of mathematics. Students will learn how to use math to their advantage in everyday life. The lessons in this course are filled with practical exercises and information that you can put to immediate use. Topics include personal finance, problem solving, statistics, geometry, proportional reasoning, measurement, data analysis, and probability.

Course Name: **History of Mathematics**

Credits: 0.5      Grade(s) 09  10  11  12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: History of Mathematics is a course that delves into the evolution of mathematical concepts across different civilizations throughout history. This course will examine key mathematicians, their discoveries, and the cultural context in which mathematical ideas developed, including topics like number systems, geometry, algebra, calculus, and the progression of proofs. Students will focus on how these concepts evolved from ancient civilizations like Babylonians, Egyptians, Greeks, through the Middle Ages and into modern mathematics.

Course Name: **Algebra I Keystone Prep**

Credits: 0.5      Grade(s) 09  10  11  12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): Algebra I

Course Description: Algebra I Keystone Prep is a course designed to provide students with necessary review and practice for success on the Algebra I Keystone Exam. Throughout the course, students will reexamine key Algebra I Keystone anchors including operating on and simplifying algebraic expressions, developing and solving linear equations and systems of linear equations, and interpreting and applying function models. Concurrent with the review of procedural skills across the Algebra I Keystone anchors, students will refine their strategies for problem-solving, including deciphering key information, choosing appropriate models, and making connections between algebraic and graphic representations. While navigating strategies for confronting Keystone-type problems, students will increase their proficiency with the technology tools needed for the assessment.

# SCIENCE

Course Name: **INTRO TO BIOLOGY**

Course # : 825

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): 8<sup>th</sup> grade science

Course Description: The purpose of this course is to give students an extra year of preparation for the Biology Keystones. All students will cover the defined standard topics including but not limited to Basic Biological Principals, The Chemical Basis of Life, Bioenergetics, Homeostasis and Transport, Cell Growth and Reproduction, Genetics, Theory of Evolution, and Ecology.

Course Name: **ACADEMIC BIOLOGY**

Course #: 800

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 3

Prerequisite(s): It is recommended that an 90% or better be obtained in 8<sup>th</sup> grade Science or a 90% or better in 9<sup>th</sup> grade Intro to Biology and/or teacher recommendation.

Course Description: This course is a preparatory course for the Keystone Biology Exam. All students will cover the defined standard topics including but not limited to Basic Biological Principals, The Chemical Basis of Life, Bioenergetics, Homeostasis and Transport, Cell Growth and Reproduction, Genetics, Theory of Evolution, and Ecology. Academic track is designed for students already successfully completing Algebra 1.

Course Name: **BIOLOGY**

Course # : 820

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): Intro to Biology

Course Description: This course is a preparatory course for the Keystone Biology Exam. All students will cover the defined standard topics including but not limited to Basic Biological Principals, The Chemical Basis of Life, Bioenergetics, Homeostasis and Transport, Cell Growth and Reproduction, Genetics, Theory of Evolution, and Ecology.

Course Name: **PITT ENVIRONMENTAL SCIENCE (ELECTIVE)**

Course # 830

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 4

College: University Pitt Bradford

Prerequisite(s): Must pass a full-year Biology course with at least an 85%, and have passed the Biology Keystones prior to enrolling in this course

Course Description: This course will build on the student's prior knowledge of biological and chemical processes and further their understanding of the environment, how it works, and how humans impact the environment positively and negatively. Upon completion of this course students will have developed an appreciation for the environment and how decisions made by humans can have an impact on the world around us.

Course Name: **AP BIOLOGY (ELECTIVE)**

Course # : 806

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 5

College: Depends on College and AP test score

Prerequisite(s): 93% in academic biology and chemistry is required.

Course Description: This course is designed for the students wishing to take a college level course and have the ability to earn college credits after the completion of the AP Biology Exam in May. Students will be expected to dedicate several hours outside of class in reviewing course materials to ensure full and deep understanding of complexities of the course. This course will cover all major topics in Biology as well as incorporate high school level concepts of physics, chemistry, and mathematics. Prerequisite includes passing scores in biology and Keystone Biology State Exam.

Course Name: **CHEMISTRY**

Course # : 821

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): Completion of Algebra I and Biology

Course Description: Chemistry is the study of matter, energy, and the interactions between them. General chemistry begins with real world focuses on the real life applications of chemistry to the world around us. Students can expect to learn about the periodic table and how to use it to predict the properties of elements, how to convert chemical quantities useful in everyday life, and develop problem solving skills in the lab. This course is suitable for both technical and college bound students and includes a laboratory rich curriculum.

Course Name: **ACADEMIC CHEMISTRY**

Course # : 817

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 3

Prerequisite(s): must pass a full-year Biology course with at least an 85. The student must pass Algebra I with at least an 85%.

Course Description: Chemistry is the study of matter, energy, and the interactions between them. Academic Chemistry focuses on the periodic table and how it can be used to predict the properties and interactions of elements. Chemical reactions, stoichiometry, and gas laws are at the pinnacle of this course. This chemistry course will be accelerated in both the level and amount of material presented. This course is designed for college bound students and includes a laboratory rich curriculum.

Course Name: **INTRO TO ORGANIC CHEMISTRY(ELECTIVE)**

Course # : 804

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 4

Prerequisite(s): Must have passed Pitt Chemistry

Course Description: This course is designed to be the equivalent of the first semester of college level organic chemistry. This chemistry course will be accelerated in both the level and amount of material presented and is designed for college bound students. In addition to a review of chemical concepts presented in Academic Chemistry, students will be introduced to functional groups, resonance, and reaction mechanisms. This course includes a laboratory rich curriculum. Students are expected to invest approximately 2-3 hours outside of class per week, independently studying material. Suggested chemistry sequence: Academic, Pitt, then Organic

Course Name: **PITT CHEMISTRY (ELECTIVE)**

Course # : 815

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 4

College: University Pitt Bradford

Prerequisite(s): Must have passed Academic Chemistry with at least an 85%.

Course Description: Pitt Chemistry is designed to be the equivalent of the first semester of college level inorganic chemistry. Students will focus on college level chemistry concepts and perform college level labs. Topics include advanced levels of stoichiometry, chemical bonding, intermolecular forces, and reaction types, as well as new topics including thermodynamics, kinetics, equilibrium, and acid/base chemistry. Students should expect to spend 2-3 hours outside of class per week, studying concepts independently. Suggested chemistry sequence is Academic, Pitt, then Organic.

Course Name: **PHYSICS**

Course # : 822

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): For students to be successful in this course students should have successfully completed an algebra I course. Math skills are very important in this course to be successful.

Course Description: Physics courses are structured to build a strong scientific background through both inquiry based instruction and a concentration study of basic physical concepts. The study of these concepts and their applications to universal phenomena are stressed. Major topics include light and wave motion, mechanics, energy, electricity and magnetism, and modern physics. Emphasis is given to laboratory investigation as a means of developing skills. Primary emphasis is on comprehension rather than computation.

Course Name: **ACADEMIC PHYSICS**

Course # : 802

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 3

Prerequisite(s): For students to be successful in this course students should have obtained at least a C in an Algebra I course and to have been proficient on the Algebra I Keystone Exam. Students should also have passed Geometry with a C or better or be taking Geometry at the same time as Academic Physics. Math skills are very important in this course to be successful.

Course Description: Physics courses are structured to build a strong scientific background through a concentrated study of basic physical concepts. The study of these concepts and their applications to universal phenomena are stressed. Major topics include light and wave motion, mechanics, energy, electricity and magnetism, and modern physics. Emphasis is given to laboratory investigation as a means of developing skills. Primary emphasis is on comprehension rather than computation.

Course Name: **PITT PHYSICS (ELECTIVE)**

Course # : 814

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 4

College: University Pitt, Main Campus 4 credits

Prerequisite(s): Students must have passed a first year physics course with a C or better. Students must also be enrolled in Calculus or have passed it with at least a C.

Course Description: Lecture and Question/Answer Sessions: Classes run every other day for 74 minute periods. Individual class periods consist of half hour "lectures" in which key concepts, definitions and formulas are introduced. This is followed by sample problems and demonstrations involving the concept. Finally, the students are given problem sets dealing with the main concept. Students are then guided in a discussion (usually small group) to develop solutions to the problems. During all problem sessions, I encourage students to actively discuss, hypothesis, and come up with a solution for each problem. Students are encouraged to physically set up problems as a demonstration when applicable. Some problems are also viewed by computer simulation to help students visualize the problems. Concepts are presented in as many

ways as possible to help students better understand the universality of physics. This is a college level course applying calculus to physics concepts. It is also available to receive 4 college credits through Pittsburgh University for passing this course.

Course Name: **ANATOMY/PHYSIOLOGY I (ELECTIVE)**

Course # : 831

Credits: .5      Grade(s) 09  10 11 12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 3

Prerequisite(s): Must pass a full-year Biology course, and is suggested to have passed the Biology Keystones prior to enrolling in this course.

Course Description: This course is designed to be an entry level science elective for those who are interested in a medical or anatomy related career field. Content covered includes human anatomy & physiological systems and their core components: Terminology, tissues, integumentary, skeletal, muscular & basic nervous systems.

Course Name: **ANATOMY/PHYSIOLOGY II (ELECTIVE)**

Course #: 826

Credits: .5      Grade(s) 09  10 11 12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 3

Prerequisite(s): Must pass a full-year Biology course, and is suggested to have passed the Biology Keystones prior to enrolling in this course.

Course Description: This course is designed to be an entry level science elective for those who are interested in a medical or anatomy related career field.—Content covered includes nervous, special senses, circulatory, respiratory, digestive, urinary and endocrine systems.

Course Name: **FORENSICS (ELECTIVE)**

Course #: 829

Credits: 1.0      Grade(s) 09  10  11 12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): Prerequisites: C or better in General Chemistry or Pitt Chemistry.

Course Description: Forensics is an upper level course for students who have successfully completed their first year of chemistry. This course will explore the various areas of analysis associated with crime scene investigation including fingerprinting, blood and DNA analysis, ballistics, and many more. This is a hands-on laboratory course that will also include critical thinking, independent work and research, evidence based writing, and classroom presentation. This course is designed to help students develop logical reasoning skills as well as problem solving skills.

## **SOCIAL STUDIES**

Course Name: **AMERICAN CULTURES**

Course #: 852

Credits: 1.0      Grade(s) 09 10 11 12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: American Cultures is a required freshman level Social Studies course that continues the study of United States history. Course material places emphasis on the culture and history from post Reconstruction Period (1877) up to mid-20th century. Important documents, events, people and groups that cooperated and caused conflict will be analyzed during the Cold War Era that spawned major conflicts in Korea, Vietnam and the Middle East. The Arms Race, the Space Race and the Introduction of the Nuclear Era, and the political/cultural fall out will be major points of emphasis as the United States becomes the world's first superpower in the post-World War II age. Of special interest will be the cultural changes brought on by the anti-establishmentarian movement (Hippies) of the 1960's and the judicial activism of the United States Supreme court. Polarizing events like the assassination of Martin Luther King and the Civil Rights Era, Watergate, Jimmy Carter and the Ayatollah Khomeini, Ergonomics and the Iran-Contra Affair, the resurgence of the Conservative Era, the impeachment changes of William Jefferson Clinton, the War on Terror and the Patriot Act will be discussed, analyzed and examined for their effects on American political/social culture.

Course Name: **ACADEMIC AMERICAN CULTURES**

Course #: 850

Credits: 1.0

Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 3

Prerequisite(s): It is recommended that an 90% or better be obtained in 8<sup>th</sup> grade Socail Studies and/or teacher recommendation

Course Description: Academic American Cultures is a required freshman-level Social Studies course that continues the study of United States history. Course material places emphasis on the culture and history from the Reconstruction Period (1877) through the 21st Century. Important documents, events, people, and groups that cooperated and caused conflict will be analyzed. The Rise of Industrial America, the Progressive Era, the Great Depression, and WW2 will be examined. The Arms Race, the Space Race, the Introduction of the Nuclear Era, and the political/cultural fallout will be major points of emphasis as the United States becomes the world's first superpower in the post-World War II age. We will examine the Cold War Era that spawned major conflicts in Korea, Vietnam, and the Middle East. Of special interest will be the cultural changes brought on by the anti-establishmentarian movement (Hippies) of the 1960's and the judicial activism of the United States Supreme Court. Polarizing events like the assassination of JFK, Martin Luther King Jr. and the Civil Rights Era, Watergate, Jimmy Carter and the Ayatollah Khomeini, Reaganomics and the Iran-Contra Affair, the resurgence of the Conservative Era, the impeachment changes of William Jefferson Clinton, the War on Terror, and the Patriot Act will be discussed, analyzed, and examined for their effects on American political and social culture. This course will follow the same order of events as the regular freshman history course, though it will go more in depth, cover more, and will require a higher level of thinking skills. This course will help learners acquire the necessary skills to come to conclusions based on informed judgments and provide sound reasoning and evidence for those judgments. This course will include an increased focus on short essay writing to help prepare students for the rigors of college prep courses

Course Name: **GOVERNMENT/21<sup>ST</sup> CENTURY ISSUES**

Course # : 874

Credits: 1.0

Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: Government and 21st Century Issues is a required junior-level course that explores government through history and current event issues. Students in their final required social studies course will study our government's actions and inactions on issues that have vastly shaped our society legally, politically, and morally. Major areas of emphasis include governmental systems, the establishment and functions of federal and state government, the roles and responsibilities of citizens, and the influences of political parties and the media in today's society. The political process, civil liberties and rights and the election process will also be examined thoroughly. Students will analyze Supreme Court cases, legislation, and foreign policy. Current events will be used to make a connection between what is being studied in class and what is currently going on within the U.S. Government. This will occur in order to make real-life connections between the subject matter and today's world while challenging the students to consider alternative points of view. The goal of this course is to enable students to integrate and interpret the effects of all the social sciences on each other and to gain the basic skills needed to succeed in their lives as they enter the controversial world that awaits them. A significant emphasis will be placed on tolerance of other people and perspectives, which is much needed in our current climate. A special effort will be made to incorporate economics into the content, as it is increasingly important to be considering the financial aspects that we as a country and as individuals are faced with. The course will emphasize the basic government skills defined in the Pennsylvania Civics and Government standards.

Course Name: **PITT AMERICAN POLITICAL PROCESS**

Course #: 854

Credits: 1.0

Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 4

College: University Pitt Bradford – 3 college credits

Prerequisite(s): A 90% or higher in the previous year's social studies class is recommended and/or teacher recommendation.

Course Description: This is an introductory college course focusing on American politics and government. The emphasis is on political processes and institutions on the national level, including Congress, the presidency, the Supreme Court, political parties, pressure groups, and elections. It is a dual credit class as it will gain you 1 social studies credit for your Ridgway graduation requirements as well as possibly earning 3 college credits through Pitt Bradford. This class is part of a partnership between regional high schools to offer entry-level college courses in the high schools. Grades for the course are based on assignments, quizzes, and tests determined by both faculty members and also by a final portfolio.

Course Name: **WORLD CULTURES**

Course #: 856

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: Students will become familiar with past events during the time period of 1450 to present. Students will identify encompassing themes that are the framework for past and current civilizations in the world. Interaction between humans and the environment; development and interaction of cultures; state-building, expansion and conflict; creation, expansion, and interaction of economic systems; development and transformation of social structures.

Course Name: **ACADEMIC WORLD CULTURES**

Course #: 853

Credits: 1.0      Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 3

Prerequisite(s): It is recommended that an 85% or better be obtained in 9<sup>th</sup> grade Academic Am. Cult or 90% in Am. Cult.

Course Description: Students will become familiar with past events during the time period of 1450 to present. Students will identify encompassing themes that are the framework for past and current civilizations in the world. Interaction between humans and the environment; development and interaction of cultures; state-building, expansion and conflict; creation, expansion, and interaction of economic systems; development and transformation of social structures.

Course Name: **CURRENT EVENTS (ELECTIVE)**

Course #: 849

# Credits: 0.5      Grade(s) 09  10  11  12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level:

Prerequisite(s): None

Course Description: The events and issues of modern society have a dramatic effect on people living in the modern world. In order to better understand the world and the society we live in, an understanding of current events and issues and how these events and issues affect society and individuals is needed. Through analysis and discussion of current issues and events, a deeper knowledge of the world and society itself will be gained. The goal of a current events course is for the student to become aware of the major issues of the day and to have an in-depth understanding and appreciation of current events. The focus of the class will be issues that affect the student as a resident of the world, the U.S., Pennsylvania, and Ridgway. The class will follow daily news events and will be expected to understand the social, political, and economic issues. The objectives of this course are to make the connection between current events and history, to enhance the student's understanding of world events, to encourage students to be informed citizens, and to help them to make intelligent decisions as they take their place in history. The students are required to use a variety of sources that are the most fact-based and least opinionated.

Course Name: **MILITARY HISTORY (ELECTIVE)**

Course #: 841

Credits: 0.5      Grade(s) 09  10  11  12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

**Course Description:** Noted military historian John Lynn from Northwestern University said, “My interest in military history does not imply any glorification of human conflict, but rather a conviction that this is a matter of great importance.” There is much understanding to be gained regarding the human condition through a study of armed conflict.” This course is offered not only to gain such understanding, but to sharpen the historical analysis skills learned through our required Social Studies courses. Military History will use a survey of major battles and campaigns throughout world history to strengthen primary source analysis skills by emphasizing structured, question-driven reading and writing activities. The class will be a survey of the world history of warfare and military tactics from ancient times to modern day. Students will also study the basic war theories of Thucydides, Herodotus, Sun Tzu, and Clausewitz. Primary and secondary sources will be emphasized and analyzed throughout the course. Change and continuity over time will be illustrated by using the following themes within each era of military history: 1) the attitudes of particular ages toward warfare; 2) how war influenced the society of particular periods; 3) the impact of technology on warfare in each period; 4) the nature of armies within each period, considering their structure and organization; and 5) how individual soldiers actually experienced the warfare of their time. Case studies of the most important battles and engagements will provide concrete examples of the above themes.

**Course Name:** **MOCK TRIAL & MODEL UN (ELECTIVE)**

**Course #:** 858

**Credits:** 1.0

**Grade(s)** 09 10 11 12

**Course Length:** 1 YR

**Is College Credit Available for this Course?**  Yes  No

**Weighted Level:** 2

**Course Description:** Mock Trial & Model UN is a full-year class with 2 distinct parts. The 2nd and 3rd quarters will be Mock Trial, which is designed to introduce students to the use of legal reasoning and argument in the context of trial advocacy. Students will develop skills in formulating, presenting, and critiquing legal arguments. Throughout the semester, we will achieve these goals through the lens of preparing to conduct a mock trial of a fictional civil case. A mock trial is an exercise where students, playing the roles of attorneys and witnesses for either the plaintiff/prosecution or the defense, engage in a trial of a fictional civil or criminal case. To prepare for a mock trial, students will learn the techniques used to conduct trials, including opening statements, direct examinations, cross examinations, closing arguments, and objections. During the semester, the class will break up into two teams, and each team will prepare either the plaintiff’s case or the defense’s case. Before competition, the teams will scrimmage against each other in a mock trial. Once the PA Bar releases the yearly case around November 1, we will prepare for competition in February.

The second part of this course is to introduce the student to human geography, as the 1st and 4th quarters will be dedicated to the practice of thinking globally about the world. We do this by examining key themes in human geography—colonialism, development, migration, culture, politics, environment, food, and urbanization—through the lens of globalization. In the study of these processes, we focus on the interdependence of places and the spatial patterns related to the flow of goods, people, and services. And we consider what these places mean to how we identify and the choices we make in our everyday lives. This class will offer students a unique opportunity to learn about international relations while role-playing United Nations delegates who are focused on the 17 sustainable development goals of the United Nations. During this session, we will explore the purpose and functions of the international organization, the United Nations. Students will be afforded the opportunity to simulate UN functions and debate major issues of the United Nations.

**Course Name:** **PITT INTRO TO PSYCHOLOGY (ELECTIVE)**

**Course #:** 859

**Credits:** 1.0

**Grade(s)** 09 10 11 12

**Course Length:** 1 YR

**Is College Credit Available for this Course?**  Yes  No

**Weighted Level:** 4

**Prerequisite(s):** None

**Course Description:** This course offers a comprehensive overview of the scientific study of human behavior and mental processes. Topics include the history and foundational principles of psychology, research methods, biological bases of behavior, sensation and perception, learning, memory, cognition, emotion, development, personality, social behavior, psychological disorders, and treatment approaches. Emphasis is placed on critical thinking and applying psychological principles to real-world situations. Designed for students of all interests, this course provides the foundation for understanding human thought and behavior and serves as a stepping stone for advanced studies in psychology or related fields. It is a dual credit class as it will gain you 1 social studies credit for your Ridgway graduation requirements as well as possibly earning 3 college credits through Pitt Bradford. This class is part of a partnership between regional high schools to offer entry-level college courses in the high schools. Grades for the course are based on assignments, quizzes, and tests determined by both faculty members and also by a final portfolio.

**Course Name:** **HISTORY OF SPORTS**

**Course #:** 876

**Credits:** .5

**Grade(s)** 09 10 11 12

**Course Length:** 1/2YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Students will study beyond the basic rules of sporting events. They will examine the social, political, economic, and cultural forces that relate to sports and sports figures, particularly how these forces have helped to shape and change society. The students will analyze the origins of popular sports both in America as well as worldwide. Students should begin to see interconnect ability of the social, political, economic, and cultural concepts related to the chronology of sports history. Through this study, students can develop an understanding for our modern culture of sports phenomenon. Along the way, students will study major issues that have impacted sports such as gender, discrimination, race bias, and class economics. Finally, students will examine the effects of commercialization, corruption, and sports broadcasting on the sports world. The course can begin with a discussion of what are sports. Then students will examine ancient vs. modern Olympics sports. The course will also examine Paralympics and special Olympics. Then students will examine why we care about sports. This unit will focus on a closer examination of the biggest sports scapegoats, sports curses, and villains vs. heroes in our perception of athletes. Next, students will look at sports from a social and political stage. Particular focus will be on Title IX and gender equality as well as other forms of discrimination. From a political standpoint, students will study political impacts on sports, especially the Cold War Olympics and the 1936 Berlin Olympics. Finally, this course will address corruption in sports. Topics to be covered in this unit will include performance enhancing drugs, gambling in sports, sports betting and its impacts, as well as corruption in the World Cup and its connection to slavery.

Course Name: **DIGGING THROUGH HISTORY**

Course # : 842

Credits: .5

Grade(s) 09 10 11 12

Course Length: ½ YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Digging Through History is a semester elective that will give students a unique opportunity to investigate significant and previously unexplored topics in social studies. Students will discuss the work and techniques in archeology, including history of modern archeology, discoveries in archeology, and site excavation. Students will also have the chance to explore the proud impacts women have made on history, not only in the United States, but around the world. Additionally, students will analyze the rich and varied belief systems of mainstream religions around the world. While doing so, students will explore how religious beliefs can impact cultures both socially and politically. Finally, students will investigate evidence surrounding history's greatest mysteries in an attempt to gain a deeper understanding of the event.

## PHYS ED/HEALTH

Course Name: **HEALTH**

Course #: 401

# Credits: 1.0

Grade(s) 09 10 11 12

Course Length: 1/2

**YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s):

Course Description: This course covers general health issues ranging from physical activity, nutrition, growth and development, body systems and health in the media. The purpose of this course is to build a strong foundation for healthy living for a lifetime. The method of instruction is by reading course content from a health book, having discussions on subject content, completing projects on course content, followed by written exams. Students will be provided with information on healthy and unhealthy relationships with peers. Disease prevention and information dealing with communicable and noncommunicable diseases with a strong focus on Sexually Transmitted Diseases, HIV, and AIDS. Current health topics in the media will be addressed as well. Students will be addressed with PowerPoint/Google Slides presentations in conjunction with note taking, assigned readings, and lesson activities correlating with videos, lesson assessments, chapter tests, projects and visuals.

Course Name: **PHYS ED**

Course #: 400

# Credits: 0.5

Grade(s) 09 10 11 12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Students will learn the importance of a variety of skill related fitness components as well as health related fitness. Students are exposed to a variety of lifetime activities that will promote health and well-being. Activities will consist of aerobics, strength/conditioning exercises, ultimate football, team handball, basketball, volleyball, ultimate frisbee, and a variety of cooperative/team games as well as team building activities. Differentiated grouping will be utilized when needed for student skill progression. Instruction will be addressed to meet all abilities and student success as well as progression. Activities will be based off of participation, effort, good sportsmanship, skill improvement, understanding of the concept of the activity and attitude. Students will be assessed by participation and observations by the instructor. Instruction will be delivered by explanation of the skills/rules with demonstration, cooperative learning, self/peer evaluation, and group activities.

Course Name: **PERSONALIZED FITNESS**

Course #: 406

# Credits: 0.5

Grade(s) 09 10 11 12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: P/F

Prerequisite(s): None

Course Description: This course is an alternative to taking the regular physical education class for highly motivated students who can work independently to earn their physical education credit(s). The coursework is completed at a time and place that is convenient for the students outside of the regular school hours, which allows them to take additional advanced courses or elective of their choice. Students will engage in an individual physical education plan established in consultation with a certified physical education teacher; through consultation with a certified physical education teacher, students will develop a fitness plan; independently engage in real world fitness program designed to assist students in developing lifelong fitness habits in an effort to achieve their goals; student progress is tracked through technology Schoology Weekly Activity Logs Graded Assignments) as well as Fitnessgram fitness tests throughout the semester; Students are required to submit classwork in Schoology, complete all Fitnessgram fitness tests, and attend all scheduled meetings with their physical education teacher. Communication will primarily occur through email and Schoology, so students must check their emails on a daily basis. This course is graded on a pass or fail scale. Not meeting the requirements of the course outlined in the syllabus will result in failing the course.

## FOREIGN LANGUAGE ELECTIVES

Course Name: **FRENCH I**

Course #: 300

# Credits: 1.0

Grade(s) 09 10 11 12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: This course will serve as an introduction to the French language and culture. Students will acquire skills to communicate in French at a basic level. This course will focus on grammatical structure of French and vocabulary necessary for communication. Students will spend ample time studying the culture of the Francophone countries and how they differ. Students will be expected to speak, write, listen to, and read French at a basic level. Assessments will include oral assessments, group projects, presentations, and written assessments.

Course Name: **FRENCH II**

Course #: 301

# Credits: 1.0

Grade(s) 09 10 11 12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 3

Prerequisite(s): Completion of French I

Course Description: French II will build upon what students have learned in previous French courses. This class is an extension of French I. Students will use the vocabulary, grammar, and other ideas taught in French I to continue their acquisition of French. There will be more emphasis and time spent on conversation and comprehension of the language. Students will also be exploring culture of French-speaking countries through

Internet research, interactive projects, authentic texts, and several other resources. Students will increase their comprehension and production of the target language.

Course Name: **FRENCH III**

Course #: 307

# Credits: **1.0**

Grade(s) 09  10  11  12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 4

Prerequisite(s): Completion of French I and II

Course Description: In this course, students will be required to complete more advanced tasks in the target language. Students will now be able to apply what they have learned to complete tasks such as debates, oral presentations, compositions, and reading short stories. The study of francophone culture is completed through student-directed projects and presentations. Students will be expected to communicate in French at an intermediate level.

Course Name: **PITT FRENCH IV**

Course #: 308

# Credits: **1.0**

Grade(s) 09  10  11  12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 4

College: University Pitt Bradford – 3 college credits

Prerequisite(s): Completion of French I, II, III

Course Description: This weighted course offered for college credit through the University of Pittsburgh College In High School program, is open to qualified juniors or seniors who have successfully completed French III. Throughout the year, students will have the opportunity to actively utilize the essential skills acquired in French I through French III. Emphasis will be placed on oral proficiency through discussions based on readings and spontaneous conversation. Furthermore, a large percentage of the lectures and all written work will be in French. Grammar will continue to be studied and improved through writing assignments incorporating themes found in the readings. Text readings will be chosen from sources spanning the Middle Ages to the present day.

Course Name: **FRENCH V**

Course #: 311

# Credits: **1.0**

Grade(s) 09  10  11  12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 5

Prerequisite(s): Completion of French I, II, III, IV

Course Description: Students will use the vocabulary, grammar, and other ideas learned in prior French courses to continue their acquisition of French. Students will now be able to apply what they have learned to complete complex oral and written tasks, speaking French at near-native proficiency. The class will be taught in French, and students will be required to read, write, listen to, and speak French daily on tasks such as, debates, videos, story writing, and oral presentations.

Course Name: **SPANISH I**

Course #: 302

# Credits: **1.0**

Grade(s) 09  10  11  12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: Spanish 1 is an introduction to the Spanish language. Students learn the basic grammar and vocabulary, and are expected to develop the four language skills for speaking, listening, reading and writing at the beginning level and acquire an appreciation of the Spanish culture.

Course Name: **SPANISH II**

Course #: 303

# Credits: **1.0**      Grade(s) 09 10 11 12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 3

Prerequisite(s): Completion of Spanish I

Course Description: Spanish 2 continues the learning process of basic Spanish language with lessons to expand and improve students' vocabulary and grammar, while they build more confidence for communication and comprehension. The students learn Spanish speaking culture in an everyday approach through interesting facts and readings.

Course Name: **SPANISH III**

Course #: 304

# Credits: **1.0**      Grade(s) 09 10 11 12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 4

Prerequisite(s): Completion of Spanish I and II

Course Description: Spanish 3 is a course that builds the students' confidence in communicating using reading, writing, listening and speaking skills. Students are expected to interact in conversations on different topics and learn at the intermediate grammar and vocabulary level. The Spanish speaking culture is addressed through authentic documents that encourage students to experience and understand different cultures.

Course Name: **PITT SPANISH IV**

Course #: 306

# Credits: **1.0**      Grade(s) 09 10 11 12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 4

College: University Pitt Bradford – 3 college credits

Prerequisite(s): Completion of Spanish I, II, and III

Course Description: Spanish 4 gives the students the opportunity to strength their communication in Spanish using the language skills of listening, reading, speaking and writing in their natural context through guided conversations, readings, short films and comprehension activities. A complete review of all grammar and vocabulary is studied. Students participate in a class environment that provides authentic course materials and improvement of advance skills. This course is developed in agreement with University of Pittsburgh at Bradford as a participant in the College in High School Program. The students will receive three college credits when they pass the course.

Course Name: **SPANISH V**

Course #: 312

# Credits: **1.0**      Grade(s) 09 10 11 12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 5

Prerequisite(s): Completion of Spanish I, II, and III, IV

Course Description: Spanish 5 focus on developing proficiency in Spanish language skills through a variety of guided writing and conversational activities. The study of Hispanic literature and culture enhances students' ability to express ideas fluently, coherently, and accurately in written and oral forms. Listening, speaking, reading and writing experiences enrich the growth of confidence and ability to use the Spanish language.

## **TECHNICAL EDUCATION ELECTIVES**

Course Name: **CAD**

Course #: 904

# Credits: .50 Grade(s) 09 10 11 12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: This course introduces students to the fundamentals of drafting technology using Solid Edge, focusing on essential skills like sketching, extruding, revolving, and adding features to 3D models. Students will learn parametric design principles, dimensioning rules, and basic modeling techniques, gaining the knowledge necessary to create functional, manufacturable parts. By the end of the course, students will have a basic understanding of Solid Edge and have a good grasp of drafting practices that are applicable in real-world design and manufacturing environments.

Course Name: **CONSTRUCTION I**

Course #: 906

# Credits: 1.0 Grade(s) 09 10 11 12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Students will discover the various skills needed in different construction fields including wiring. They will use calculations to determine materials needed and will use tools and machines to help them accomplish the tasks they are challenged with. They will do this to discover possible career choices or to help them prepare for maintenance or construction of a home in the future. Beyond construction, students will follow the design process to solve problems, look into technological devices and their history as well as manufacturing, energy and power, information and communications, and systems thinking. Students will be responsible to pay for and or purchase the material they use on their own personal projects.

Course Name: **CONSTRUCTION II**

Course #: 907

# Credits: 1.0 Grade(s) 09 10 11 12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): Completion of Construction I

Course Description: The class will be of similar nature to construction I but the problems they are faced with will require more detail and thought compared to Construction I. Students will use their skills learned in construction I to build better and more elaborate projects as well as use a combination of different jointer in their projects. Students will predominately work independently on their own individual projects. There will be a lab fee for the wood students use in their personal projects.

Course Name: **MACHINE TOOL I**

Course #: 908

# Credits: 1.0 Grade(s) 09 10 11 12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Students will discover the various skills needed in the machining industry. They will use calculations to determine materials needed and will use tools and machines to help them accomplish the tasks they are challenged with. They will do this to discover possible career choices they may be faced with in the future. Beyond machine tool, students will follow the design process to solve problems, look into technological deices and its history as well as manufacturing, energy and power, information and communications, and systems thinking.

Course Name: **MACHINE TOOL II**

Course #: 909

# Credits: 1.0 Grade(s) 09 10 11 12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): Completion of Machine Tool I

Course Description: It will be of similar nature to Machine tool I. Machine Tool II will require more detail, thought, research, design, and problem solving compared to Machine Tool I. Students will also need their own ideas to possible projects throughout the year to gain skills in areas that are meaningful to the student. Students will learn this through strategies which will include reading, writing, speaking, seeing, producing, and listening. For larger personal projects, students will need to provide their own material.

Course Name: **PRE-ENGINEERING I**

Course #: 891

# Credits: .50 Grade(s) 09 10 11 12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): CAD required

Course Description: Pre Engineering I focuses on the three dimensions of technological literacy: knowledge, ways of thinking and acting, and capabilities, with the goal of students developing the characteristics of technologically literate citizens. Students develop an understanding of the influence of technology on history, technology innovation, the engineering design process, manufacturing technologies, and construction technologies. Students will learn through a variety of means such as computer projects, physical projects, and class lecture and discussion.

Course Name: **PRE-ENGINEERING II**

Course #: 892

# Credits: 1.0 Grade(s) 09 10 11 12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): Completion of Pre-Engineering I

Course Description: In this course the students will receive a hands-on experience in Mechanical drafting, electricity, electronics, and machine operations. Students will be divided between all three instructional classrooms.

Course Name: **ROBOTICS**

Course #: 917

# Credits: 0.5 Grade(s) 09 10 11 12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Students will be challenged through the year with different problem solving design projects. Students will have to take knowledge they learned and apply it to their designs. We will look at scientific and engineering notation, gear ratios, mechanical advantage, how signals are sent, how sensors work, as well as programming and other topics related to robotics. The class uses simple math such as algebra to find solutions to problems.

Course Name: **PRE-APPRENTICESHIP**

Course #: 925

# Credits: .5 Grade(s) 09 10 11 12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: The Pre-Apprenticeship Program offered through a partnership with the Alpha Precision Group will provide students the opportunity to develop skills necessary to work in a manufacturing facility. Students will be able to use the skills and schoolwork to apply to an apprenticeship upon graduation. Successful completion will include NTMA coursework, Machine tooling courses and work experiences.

# **FAMILY & CONSUMER SCIENCE ELECTIVES**

Course Name: **NUTRITION**

Course #: 511

# Credits: **0.5**      Grade(s) 09 10 11 12

Course Length: **1/2 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Nutrition Class provides a basic knowledge of nutrition and food preparation. Lessons include: the purpose, function and sources of nutrients, as well as kitchen organization, measuring, cooking terms, following recipes, etiquette, and kitchen and food safety. Food labs will include the preparation of nutritious foods in addition to food comparisons. A student can only enroll in Nutrition Class once in grades 9-12.

Course Name: **SEWING**

Course #: 506

# Credits: **0.5**      Grade(s) 09 10 11 12

Course Length: **1/2 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Sewing class provides basic sewing skills for students. Projects will be determined according to each student's ability. Students are responsible for purchasing their own supplies. Class size is limited to 10 students.

Course Name: **FOOD FADS**

Course #: 510

# Credits: **0.5**      Grade(s) 09 10 11 12

Course Length: **1/2 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Food Fads will provide a basic knowledge of different kinds of diets that are popular and different kinds of dietary restrictions do to different medical conditions. Lessons include: types of nutrition, kitchen organization, measuring, cooking terms, following recipes, etiquette, and kitchen and food safety. Food labs will include the preparation of different diet foods in addition to food comparisons. Each student will be required to make a cookbook based on the recipes we make in class. A student can only enroll in Food Fads once in grades 9-12

Course Name: **INTERIOR DESIGN/HOUSING**

Course #: 512

# Credits: **0.5**      Grade(s) 09 10 11 12

Course Length: **Half Year**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Interior Design/housing is a one semester class which will provide a basic introduction to various housing options, including the hidden costs of renting/owning. Students will research types of house designs and how they have changed over the years. Projects will include floor plans using computerized room design as well as hand drafting a design. Lessons will include: The Elements and Principles of Design, The Role of Color, Creating Design Plans, Floor Plan Design, and Furniture Arrangement. Students will apply the concepts of color, design, furnishings, and materials to create a final project.

Course Name: **CULINARY ARTS**

Course #: 513

# Credits: **0.5**      Grade(s) 09 10 11 12

Course Length: **1/2 Year**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Culinary Arts is the practice of preparing food tastefully and creatively. In this course, you will explore the craftsmanship of making food appealing in many different areas including: appetizers, salads, soups, breads, cakes, cookies, pies, candies, meats & poultry, eggs, and much more. You will also explore international cuisine, and the art of fine dining and etiquette. Emphasis will be placed on correct techniques and the mastery of food presentation.

Course Name: **CHILD DEVELOPMENT I AND II**

Course #: 514 AND 515

# Credits: **2.0/3.0**

Grade(s) 09  10  11  12

Course Length: 1 year each level

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): Child Development I before Child Development II

Course Description: The Child Development Associate (CDA) course is a two year laboratory/ field experience course addressing the knowledge and skills related to applying CDA Competency Standards in early childhood environments and understanding how these competencies help young children move with success from one developmental stage to the next. Students will be prepared and informed on the requirements that must be met to apply for the nationally recognized CDA credential. Career and Technical education instruction provide content aligned challenging academic standards and relevant technical knowledge and skills for students to further understand their education and succeed in current or emerging professions.

General Requirements. This course is recommended for students Grades 11-12. It requires 480 observation placement hours in a preschool setting and faculty appointed to the candidate from the CDA supervisor. Transportation to the facility is provided by the high school. Course requires 120 instructional clock hours. Students will acquire CPR and First Aide certifications, Act 34 and 151 PA Child abuse clearance, FBI Fingerprint clearance and any other clearance necessary to obtain to work in an educational setting. At the end of the second year students will be required to complete a CDA verification visit and NOCTI test to gain their CDA credential. This course counts as 1 credit and also satisfies a graduation requirement pathway.

## COMPUTER ELECTIVES

Course Name: **COMPUTER APPLICATIONS**

Course #: 131

# Credits: .5 Grade(s) 09  10  11  12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: The course is designed to help students learn about the functional use of computers. The intent is to teach the use of three common computer applications: word processor, database, and spreadsheet. A brief overview of Microsoft Windows will be included. Sometime will also be devoted to the use of the Internet as a resource tool and students can expect to do a presentation using PowerPoint.

Course Name: **WEB DESIGN AND SOCIAL MEDIA**

Course #: 126

# Credits: 0.5 Grade(s) 09  10  11  12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: This course is intended to provide students with an overview of the tools available to design and develop web pages for the Internet using WordPress. The internet has become such a big part of our day to day lives, and it takes a specialized skillset to build great looking, user-friendly websites that effectively communicate information to visitors. In addition, social media platforms are used daily by billions of people worldwide and have become a vital part of every business marketing plan. Because of the rapidly changing social landscape, skilled social media marketers have become in-demand and a highly valued asset to any company.

Course Name: **PITT MICROCOMPUTING FOR BUSINESS**

Course #: 128

# Credits: **1.0**      Grade(s) 09  10  11  12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 4

College: University Pitt Bradford – 3 college credits

Prerequisite(s): None

Course Description: This course is designed to allow students to develop proficiency in using advanced business computer applications particularly in the area of Microsoft Office. A number of business topics will be explored using Excel financial functions, data manipulation and analysis functions, as well as charting and “what-if” analysis tools. This course is designed to for students considering a career and/or post-secondary degree in a marketing or business related field.

## **BUSINESS ELECTIVES**

Course Name: **PITT ACCOUNTING**

Course #: 112

# Credits: **1.0**      Grade(s) 09  10  11  12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 4

Prerequisite(s): None

Course Description: College in the High School 4 Credits ACCT 0201 - FINANCIAL ACCOUNTING CONCEPTS. This course provides the fundamentals of accounting principles and practices. It presents information on the decision-making processes to those external to the business owners, investors, potential investors, creditors, and the public at large.

Course Name: **ACCOUNTING II**

Course #: 113

# Credits: **1.0**      Grade(s) 09  10  11  12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): Recommend passing Accounting I with at least an 80%.

Course Description: This course covers departmental and payroll accounting, partnership, corporation and manufacturing cost accounting. It develops the knowledge one will need to maintain proper records for efficient management. This course is for the student who is planning on pursuing a career or post-secondary degree in accounting.

Course Name: **BUSINESS MATH**

Course #: 102

# Credits: **1.0**      Grade(s) 09  10  11  12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: This course is to assist students in learning to use mathematics effectively as a tool in their personal and business lives. After completing this course, students will be able to understand terminology relating to personal and business mathematics applications. Apply basic math skills to the solution of both personal and business applications. Use common mathematics formulas to solve a variety of personal and business mathematics problems

Course Name: **BUSINESS LAW**

Course #: 104

# Credits: **0.5**      Grade(s) 09  10  11  12

Course Length: **1/2 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Business Law is a course designed to give students the knowledge and understanding necessary to deal with the day-to-day legal problems encountered by consumers in our business-oriented society. The course informs the students of their rights and obligations under the law as well as the need for law in an organized society.

Course Name: **MARKETING ESSENTIALS**

Course #: 114

# Credits: .5    Grade(s) 09 10 11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: This is a full year course designed to introduce students to the world of marketing and distribution through instruction in concepts relevant to the flow of industrial and consumer goods. Students will understand how our distribution systems play a part in the economy of the United States. National as well as international marketing theories will be presented, and business ethics will be conveyed to students and stressed in relation to personality development, human relations, salesmanship, promotion, and job interviewing. This is a foundation course designed to be comprehensive for students interested in pursuing a career related to marketing and distribution. Students participating in this course are eligible to participate in DECA, a student vocational organization.

Course Name: **PERSONAL FINANCE**

Course #: 110

# Credits: .50    Grade(s) 09 10 11  12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: The semester-long personal finance course covers all of the essential personal finance topics necessary to become a financially capable student. Topics include banking, credit, budgeting, investing, career, behavioral economics, paying for college, insurance, taxes, and consumer skills. By the end of this course, students will have a thorough understanding of personal finance topics and be prepared to handle the financial responsibilities that exist after graduation. THIS COURSE IS REQUIRED TO GRADUATE BEGINNING WITH THE CLASS OF 2026

Course Name: **ENTREPRENEURSHIP**

Course #: 111

# Credits: .50    Grade(s) 09 10 11  12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: Students will investigate issues in management, business law, and finance. They will develop their own personal business plan and have the opportunity to work with business people from the community who offer real world experiences and insight. This course can be taken multiple times.

Course Name: **IND. VIRTUAL SIMULATION BUSINESS STUDY**    Course #: 115

# Credits: .5 or 1.0    Grade(s) 09 10 11  12

Course Length: 1/2-1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: The course will allow an independent study of Knowledge Matters Virtual Simulation Curriculum. Topics of study are Entrepreneurship, Personal Finance, Retailing, Management, Sports and Entertainment, Accounting, Hotel, and Fashion. Each module provides an opportunity for the student to work in a realistic setting making the day to day decisions that drive businesses today. It is self-passed, and the student can schedule their class time where it fits their schedule, rather than a set time.

Course Name: **HOSPITALITY AND RESTAURANT MARKETING** Course #: 132

# Credits: .5 Grade(s) 09  10  11  12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): Must have passed Marketing Essentials

**Course Description:** This course covers the growth and progress of the hospitality and restaurant industries. This course provides an overview of the various challenges and responsibilities encountered in managing a food and beverage operation. Topics include planning, administration, organization, accounting, marketing and human resources from an integrated managerial viewpoint. Upon completion, students should be able to demonstrate an understanding of the background, context and career opportunities that exist in the hospitality and restaurant industries.

Course Name: **SPORTS AND ENTERTAINMENT MARKETING**

Course #:

# Credits: .5 Grade(s) 09  10  11  12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): Must have passed Marketing Essentials

**Course Description:** This course will help students develop a thorough understanding of marketing concepts and theories that apply to sports and sporting events. The topics covered will include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports marketing plans. This course will also deal with promotion plans, sponsorship proposals, marketing plans, and event evaluation and management techniques. In addition, the course will incorporate an innovative experiential learning program that provides an effective link between the education process and the school's athletic department. Students taking sports marketing will have the opportunity to participate in DECA.

Course Name: **TRAVEL AND TOURISM MARKETING**

Course #: 134

# Credits: .5 Grade(s) 09  10  11  12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): Must have passed Marketing Essentials

**Course Description:** With greater disposable income and more opportunities for business travel, people are traversing the globe in growing numbers. As a result, the hospitality and tourism industry are one of the fastest growing industries in the world. This course introduces the travel and tourism industry, including cruise ships, spas, resorts, theme parks, and other areas. Students learn about key tourism issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

Course Name: **PITT PRINCIPLES OF MANAGEMENT**

Course #: 135

# Credits: .5 Grade(s) 09  10  11  12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 4

Prerequisite(s): None

**Course Description:** --College in the High School 3 College Credits MGMT 0110 - PRINCIPLES OF MANAGEMENT (Grades: 11, 12--- Credit: 1)-This introductory course focuses on the basic management functions in business. The emphasis is on developing leadership, team work, and communication skills. Topics covered include management theory, planning, organizing, leading, motivating, controlling, as well as management ethics, change, and global perspectives.

# ART ELECTIVES

Course Name: **ART I**

Course #: 001

# Credits: **1.0**      Grade(s) 09 10 11 12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Students will be designing and creating original artwork as they follow the guidelines set by the state standards which focus on art making as well as art history, aesthetics and art criticism. Students will learn the 14 elements and principles of design and students will be able to classify artwork based on those elements and principles. Art students can look forward to projects that have math skills and language arts skills integrated into them. This integration will help students in preparation for both the Keystone exams and the common core assessments.

Course Name: **ART II**

Course #: 002

# Credits: **1.0**      Grade(s) 09 10 11 12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): Completion of Art I

Course Description: Students will not just be making art, they will follow the guidelines set by the state standards which focus on art making as well as art history, aesthetics, and art criticism. Students will continue to study the 14 elements and principles of design, which includes classifying artwork based on those elements and principles. Art students can look forward to projects that have math skills and language arts skills integrated into them. This integration will help students in preparation for both the Keystone exams and the common core assessments.

Course Name: **ART III**

Course #: 003

# Credits: **1.0**      Grade(s) 09 10 11 12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 3

Prerequisite(s): Completion of Art I and II

Course Description: Students will cover material in drawing, painting, printmaking, sculpture and photography. Within each area various materials, techniques, media, subject matter, tools, and equipment will be addressed. Problem solving activities will be proposed to students in each area of study. Cultural and historical background information will supplement much of the covered material.

Course Name: **ART IV**

Course #: 004

# Credits: **1.0**      Grade(s) 09 10 11 12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 4

Prerequisite(s): Completion of Art I, II and III

Course Description: Students will cover material in drawing, painting, printmaking, sculpture and photography. Within each area various materials, techniques, media, subject matter, tools, and equipment will be addressed. Problem solving activities will be proposed to students in each area of study. Cultural and historical background information will supplement much of the covered material.

Course Name: **CERAMICS**

Course #: 016

# Credits: **0.5**      Grade(s) 09 10 11 12

Course Length: **1/2 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Students will create works in but not limited to the following ceramics disciplines: Clay Processing, Pinch, Slab and coil methods in hand building, basic wheel throwing methods, Extruded clay methods, Kiln operations and safety, and glaze techniques.

Course Name: **CREATIVE DRAWING**

Course #: 013

# Credits: **0.5**      Grade(s) 09 10 11 12

Course Length: **1/2 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Students will take an in-depth look at the several processes of drawing. This will include still life drawing, gesture drawing, perspective, doodling, and basic proportion. Students will work with such tools as graphite pencil, pen and ink, markers, acrylic and watercolor paint, charcoal, and conte crayon.

Course Name: **DIGITAL MEDIA**

Course #: 11

# Credits: **0.5**      Grade(s) 09 10 11 12

Course Length: **1/2 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Digital Media is a course designed to explore the ever-changing digital world, as well as to provide hands-on experience with industry standard software and equipment. This class will use graphics software and guided lessons to learn the basics of graphic design, photography, Adobe Photoshop and Illustrator. The course will touch on methods and principles used in good design.

Course Name: **ADVANCED DIGITAL MEDIA**

Course #: 11

# Credits: **0.5**      Grade(s) 09 10 11 12

Course Length: **1/2 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): Digital Media

Course Description: This course is designed to explore digital graphic arts to a greater depth with hands-on projects and “real world” activities using Adobe software. Students who take this class will have successfully completed the Digital Media class. This course is based upon the development of a specific set of skills that are required in the field of Digital Media. Students will focus on idea development, software application and printing of finished works.

Course Name: **INTRODUCTION TO PAINTING**

Course #: 015

# Credits: **0.5**      Grade(s) 09 10 11 12

Course Length: **1/2 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: This course is an introductory course designed to help the students enlarge their understanding of the visual arts. Students will design, produce, and exhibit Art related projects. Students will use the elements and principles of art to create works in but not limited to acrylics, oils, water color and tempera paints.

Course Name: **ADVANCED PAINTING**

Course #: 007

# Credits: **0.5**      Grade(s) 09 10 11 12

Course Length: **1/2 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): Completion of Introduction to Painting

Course Description: Students will cover advanced materials and techniques for painting not limited to but may include oils, acrylics, water color, and tempera. Within each area various materials, techniques, media, subject matter, tools, and the elements and principles of art will be addressed. Advanced problem solving activities will be proposed to students in each area of study. Cultural and historical background information will supplement much of the covered material.

Course Name: **PRINTMAKING**

Course #: 023

# Credits: **0.5**

Grade(s) 09 10 11 12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: This course is designed to provide students with the opportunity to explore various methods of printmaking and two-dimensional design. Students will be introduced to various printmaking techniques, such as wood cuts, linocuts, intaglio, and monoprints. Students will explore the process of printmaking, and how it relates to drawing. Students will execute various projects, and come to understand various methods of color application in the printing process. The class also has cross curricular potential, introducing science and math in the printing processes. Students may also use screen printing as a form of product design, and practice entrepreneurship through the creation of screen print shirts, hats, or stickers.

Course Name: **3D Design**

Course #: 022

# Credits: **0.5**

Grade(s) 09 10 11 12

Course Length: 1/2 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: This course is designed to replace/expand upon the woodcraft class currently offered in the curriculum. Students will be exposed to various sculpting and construction media. The course will introduce fundamental art principles of three-dimensional design. Students will create various sculptures using a variety of inexpensive materials. Students will be introduced to prominent sculptors, both historical and contemporary. Students will execute various assignments based on traditional construction techniques, and modern works based on recyclable and environmentally conscious practices.

## **MUSIC ELECTIVES**

Course Name: **BAND**

Course #: 860

# Credits: **1.0**

Grade(s) 09 10 11 12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: Band is a performance-based class designed to give the student an enriching and diverse instrumental music education. This class provides a number of performance opportunities for the student in a variety of settings. The daily objective of the course is to foster and promote musical growth through the playing of an instrument by the student. As a member of the band program, group effort and cooperation are necessary to a successful program. Band is a skilled effort in which each student is expected to show technical and musical growth throughout the course.

Course Name: **CHOIR**

Course #: 863

# Credits: **1.0**

Grade(s) 09 10 11 12

Course Length: 1 YR

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: Choir is a performance based class which includes reading, improvising, harmonizing, conducting, and performing music of various cultural and historical periods. Students will experience a high level of musicality, skill development, and training; efficient and fast-paced rehearsals; safe and supportive environment, emphasizing high expectations and mutual respect; fun and friendly atmosphere in rehearsals and concerts; repertoire which challenges, rewards, and delights both singers and audience; rehearsal and performance philosophy centered on engagement with the text; full body engagement of the singers, including their faces – all stemming from a dynamic mental/emotional connection to text and musical expression of that text.

Course Name: **MUSICAL THEATRE**

Course #: 864

# Credits: **1.0**      Grade(s) 09 10 11 12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Musical Theatre class will cover theater history, stage presence, improvisational techniques, ensemble, cast, and solo work, set design and construction, script creation and analysis.

Course Name: **MUSIC APPRECIATION**

Course #: 866

# Credits: **0.5**      Grade(s) 09 10 11 12

Course Length: **1/2 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Music Appreciation Class helps you to develop a deeper appreciation of the power of music to soothe, communicate, delight, and console by exploring music of diverse cultures and the sometimes exotic instruments used to make it.

Course Name: **MUSIC THEORY**

Course #: 862

# Credits: **1.0**      Grade(s) 09 10 11 12

Course Length: **1 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 2

Prerequisite(s): None

Course Description: Music Theory emphasizes the structure of music and analysis as it relates to notation of pitch and rhythm, intervals, triads, and scales. This class aims to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. Students who take this class should already have a basic understanding of pitch and rhythm notation.

Course Name: **PERFORMING ARTS (ACTING)**

Course #: 868

# Credits: **0.5**      Grade(s) 09 10 11 12

Course Length: **1/2 YR**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Performance Techniques (Acting) class aims to help students read drama, analyze the elements of drama, respond to dramatic works, and act out dramatic works in front of an audience.

## **OTHER**

Course Name: **10<sup>TH</sup> GRADE CAREER EXPLORATION**

Course #: 404

# Credits: **0.25**      Grade(s) 09 10 11 12

Course Length: **1 Quarter**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: The purpose of the class is to help students find a career that is not only interesting and rewarding, but one that will also capitalize on their strengths and talents. This class is all about the student! All 10<sup>th</sup> graders are required to take this.

Course Name: **10<sup>TH</sup> GRADE GOOGLE APPLICATIONS**

Course #: 403

# Credits: **0.25**      Grade(s) 09  10  11  12

Course Length: **1 Quarter**

Is College Credit Available for this Course?  Yes  No

Weighted Level: 1

Prerequisite(s): None

Course Description: Students will master the skills necessary to run the most popular applications in the Google Suite including: Docs, Sheets, Slides, & Images. Upon completion of this course, the students will be able to format and produce documents, build & input data into spreadsheets, apply formulas to create authentic business reports, apply various tools to create professional presentations, and customize designs for real world applications.

Course Name: **PEER TUTORING**

Course #: 770

# Credits: **0.5 – 1.0**      Grade(s) 09  10  11  12

Course Length: **Half or Full Year**

Is College Credit Available for this Course?  Yes  No

Weighted Level: P/F

Prerequisite(s): None

Course Description: This course enables 11<sup>th</sup> or 12<sup>th</sup> grade students to assist a teaching professional in the classroom with younger and/or less advanced students than themselves. The course will give those students considering a career in education great insight into that profession while also providing an opportunity for personal enrichment to those with other career aspirations. Students taking this course will work one on one with a teacher of their choosing. 1 credit of peer tutoring can be taking each year.

Course Name: **SCHOOL TO WORK**

Course #: 660

# Credits: **VARIES**      Grade(s) 09  10  11  12

Course Length: **Half or Full Year**

Is College Credit Available for this Course?  Yes  No

Weighted Level: P/F

Prerequisite(s): Meeting with High School Principal, High School Counselor and School To Work Coordinator

Course Description: Students can participate in this program if they are in junior or senior status, acquire mandatory clearances from their workplace supervisor to be in the program, carry enough credits to graduate on time, have a job and meet the academic eligibility, which is run each Thursday. The program is a 1/2 or yearlong program broken down by semester with a pass/fail grading system. Dismissal time for work release may differ for students, as individual student course load may vary for credit requirements for graduation.

Weighted Levels:

Level 1 - 4.0 scale

Level 2 – 4.1 scale

Level 3 – 4.2 scale

Level 4 – 4.5 scale

Level 5 – 5.0 scale