

General Information

GRADUATION REQUIREMENTS

Students must earn a cumulative passing score of **18 points**, using seven end-of-course state tests. To ensure students are well rounded, they must earn a minimum of four points in Math, four points in English and six points across Science and Social Studies. *For additional information please visit education.ohio.gov*

End-of-course exams are:

- **Math:** Algebra I, Geometry • **Science:** Biology • **Social Science:** American History and American Government • **English Language Arts:** English I and English II

CREDIT REQUIREMENTS

English	4 Credits
Math	4 Credits ¹
Science	3 Credits ²
Social Studies	3 Credits ³
Physical Education	½ Credit
Health	½ Credit
Electives	6 Credits ⁴

¹ Mathematics units include 1 unit of Algebra II and one course higher than Algebra II.

² Science units must include 1 unit of Physical Science, 1 unit of Life Science, and 1 unit of advanced study in one or more of the following sciences: Chemistry, Physics, or other Physical Science; Advanced Biology, Botany/Ecology, Anatomy and Physiology, or other Life Sciences; Astronomy, Physical Geology, or other Earth and Space Science; or Forensic Science.

³ Social Studies must include 1 unit of American history (heritage), 1 unit of World History, and 1 unit of American government.

⁴ Electives units must include one or any combination of Foreign Language, Fine Arts, Business, Career-Technical Education, Family and Consumer Sciences, Technology, Agricultural Education or English, Language Arts, Mathematics, Science or Social Studies courses not otherwise required.. All students must earn at least ½ credit in Economics and Financial Literacy during grades 9-12 and must complete at least two semesters of Fine Arts taken any time in grades 7-12. Students following a career-technical pathway are exempt from the Fine Arts requirement.

DIPLOMAS

Bucyrus High School offers both the regular diploma and the Diploma with Honors. For students to earn a regular diploma, they must successfully complete the required curriculum of Bucyrus High School as adopted by the local board of education. Students wishing to earn a Diploma with Honors from Bucyrus High School must successfully complete the required curriculum of Bucyrus High School as adopted by the local board of education and complete a college-preparatory curriculum that fulfills all but one of the following criteria.

All courses need to be college preparatory in nature.

High School Academic Diploma with Honors

- four units of honors English.
- four units of math, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
- three units of honors science, including Physics and Chemistry
- three units of social studies.

- e. three units of foreign language, including at least two units in each language studied.
- f. one unit of fine arts.
- g. 2 additional elective units of art course
- h. maintain an overall high school grade point average of at least 3.5 on a 4.0 scale up to the last grading period of the senior year.
- i. obtain a composite score of 27 on the American College Testing (ACT) tests or an equivalent composite score of 1280 on the Scholastic Assessment Tests (SAT).

High School Academic Diploma with Honors in Arts

- a. four units of honors English.
- b. four units of honors math, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
- c. three units of honors science, including Physics and Chemistry
- d. three units of social studies.
- e. three units of foreign language, including at least two units in each language studied.
- f. four units of fine arts.
- g. maintain an overall high school grade point average of at least 3.5 on a 4.0 scale up to the last grading period of the senior year.
- h. obtain a composite score of 27 on the American College Testing (ACT) tests or an equivalent composite score of 1280 on the Scholastic Assessment Tests (SAT).
- i. Complete a field experience and document the experience in a portfolio specific to the student's area of focus.
- j. Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus that is reviewed and validated by external expert.

The student who completes an intensive **Career-Technical Education Pathway** must meet at least seven of the following eight criteria:

1. Earn four units of English;
2. Earn at least four units of mathematics which shall include algebra I, algebra II, geometry and another higher level course, or a four-year sequence of courses which contains equivalent content;
3. Earn at least four units of science, including two advanced sciences;
4. Earn four units of social studies;
5. Earn two units in a world language
6. Earn four units in a career-technical education program that leads to an industry-recognized credential, results in an apprenticeship or is part of an articulated career pathway, which can lead to postsecondary credit. If the student's program design does not provide for any of these outcomes, then the student must achieve the proficiency benchmark established for the applicable Ohio career-technical competency assessment or the equivalent;
7. obtain a composite score of 27 on the American College Testing (ACT) tests or an equivalent composite score of 1280 on the Scholastic Assessment Tests (SAT) or score 6 in Workkeys assessments (Reading for information and Applied math).
8. Maintain an overall high school grade point average of at least 3.5 on a 4.0 scale up to the last grading period of the senior year; or
9. Complete a field experience and document the experience in a portfolio specific to the student's area of

focus.

10. Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus that is reviewed and validated by external expert.
11. Obtain a composite score of 27 on the American college testing service's ACT assessment (excluding the optional writing test) or a combined score of 1210 on the college board's SAT verbal and mathematics sections (excluding the score obtained on the required writing section).

COLLEGE PREPARATORY CURRICULUM "MINIMUM CORE"

The following list of core courses is the bare minimum that must be taken by students to be considered as a college preparatory curriculum. It is extremely important for students to understand that without these core courses their guaranteed, unconditional acceptance into college cannot be assured. It is very important that the college preparatory students understand that they must take four years of Honors English in order to guarantee an unconditional acceptance into college.

English (Honors)	4 Units
Math (Honors Algebra, Honors Geometry, Honors Algebra II recommended)	4 Units
Science	3 Units
Emphasis on laboratory courses...i.e. CP Biology, Chemistry, Physics, etc. A fourth year of science is highly recommended.	
Social Studies	3 Units
Foreign Language	2 Units
Note: This is not required but is strongly encouraged. Must be two units of the same foreign language.	
Arts (Visual or Performing)	1 Unit

OHIO ASSESSMENTS

END OF COURSE EXAMS

All students will take end-of-course exams in the following courses:

Algebra I, Geometry, Biology, Physical Science, American History, American Government, English I, and English II.

ATHLETIC ELIGIBILITY

In order to be eligible in grades 9-12, a student must be currently enrolled and must have been enrolled in school the immediately preceding grading period. During the preceding grading period, each student must have received passing grades in a minimum of five (5) one-credit courses or the equivalent, each of which counts toward graduation. The Bucyrus Board of Education prohibits students from participating in interscholastic extracurricular activities if they have less than a 1.0 grade point average on a 4.0 scale in the previous grading period. Failure to comply with the grading period eligibility results in ineligibility for the following grading period **UNLESS** each student who has a G.P.A. 1.0 - 1.99 in the previous grading period and less than a 2.0 at the midterm of the current grading period attends the academic intervention described below. Failure to comply with the grading period eligibility results in ineligibility for the succeeding grading period. Summer school grades earned may not be used to substitute for failing grades from the last grading period of the regular school

year. Semester and year-long grades have no effect on eligibility. Students are also subject to drug and alcohol screenings (refer to athletic code of conduct).

Any High School or Middle School student/athlete with a 1.0 – 1.99 G.P.A. shall participate in an academic intervention program. The academic intervention program will consist of at least one hour/week study table for each subject wherein the student received a grade lower than a C. The athletic director will check grades at the midterm of each quarter to determine whether a student will come off academic intervention, be required to continue, or be added to the academic intervention. Intervention will be assigned and monitored on the recommendation of the administration.

ELIGIBILITY CENTER AND ATHLETIC SCHOLARSHIP/ELIGIBILITY INFORMATION

A central clearinghouse will certify your athletic eligibility for Division I and II. If you intend to participate in Division I or II athletics as a college freshman, you must register and be certified by the NCAA Initial Eligibility Clearinghouse. The criteria used to determine your eligibility by the NCAA involves your grade point average, the courses you take in high school, and your scores on either the ACT or the SAT. It is important that you get a copy of these NCAA Clearinghouse rules as a freshman if you have any desire of participating in sports at the Division I or II level in college. It is the individual student's responsibility to make sure he/she is taking courses that the NCAA accept as core courses. Approved courses are designated with **NCAA** beside the course name. You may register online at www.EligibilityCenter.org This guide will provide up to date requirements for eligibility concerning core courses, ACT/SAT and Grade Point Average.

NAIA Athletic Scholarship/Eligibility Information

To be eligible to receive a scholarship from and/or be eligible for intercollegiate competition at an NAIA Institution, a student-athlete must meet any two of the following three criteria:

1. Attain a composite score of at least 18 on the ACT or an SAT score of 740.
**The ACT and SAT scores must be on a single test. The best scores from more than one test cannot be combined as they can in determining NCAA eligibility.
2. Attain an overall 2.0 GPA for ALL COURSES taken in high school.
3. Graduate in the top one-half of your senior class.

Junior College or Two Year College Scholarship/Eligibility Information

Normally, the only requirement is that you have a valid high school diploma. If you are interested in a Junior College or 2-Year College, you need to talk to them about that institution's specific requirements.

REPEAT COURSES

When repeating coursework, the original grade and credit will not be removed from the student transcript. Repeat coursework will be used as an elective credit. Students who elect to repeat a course for credit will be subject to all academic standards and behavioral responsibilities outlined in the course just as are all other students enrolled in the course for the first time. Students who have passed a course but wish to take it over for a better understanding of the content may apply to take the course using the class audit policy. All class audit policy rules will apply to the student who is granted permission to repeat.

COURSE FEES

Students are required to pay fees in some Pioneer Career Center satellite courses. The fee money is used to pay for materials, workbooks, etc., used by the students in those courses.

Some course fees may be required for Bucyrus Secondary courses. Fees can be assessed for class fees, lost books, materials, and/or damaged equipment.

ADDITIONAL EDUCATIONAL PROGRAMS

College Credit Plus (CCP)

Ohio's new College Credit Plus can help you earn college and high school credits at the same time by taking college courses from community colleges or universities. The purpose of this program is to promote rigorous academic pursuits and to provide a wide variety of options to college-ready students. Taking a college course from a public college or university College Credit Plus is free. That means no cost for tuition, books or fees. If you choose to attend a private college or university, you may have limited costs. Students must meet eligibility requirements to participate.

Anticipated Schedule

Fall Semester 2019

SOC1200: Sociology (3 Semester Hours); Monday/Wednesday

Spring Semester 2020

HSS2020: Ethnic and Cultural Diversity (3 Semester Hours); Monday/Wednesday

ALH 1110 Medical Terminology (3 Semester Hours); Online

MATH 1150: Calculus (3 Semester Hours); Tuesday/Thursday

Calculus students must meet North Central State's qualifying entrance score to take CCP credit. Students may elect to take calculus for high school credit only.

Educational Options

The Bucyrus Board of Education affirms that an effective educational program is one that provides opportunities for student learning both within the classroom and, for specific reasons, beyond the traditional classroom and school day. These expanded opportunities are viewed as educational options to supplement and, sometimes, to supplant the regular school program.

The intent of educational options is to allow educators, other professionals, parents and others to work together to provide opportunities for students to learn in an independent or individual setting and to study or work with recognized experts in specific fields. Educational options are seen as curricular opportunities to improve, expand, and enrich student learning experiences and perspectives.

Independent study, tutoring, travel, monitoring, correspondence courses, and college courses are representative, but not all-inclusive, of what the board views as educational options supplementing the regular school program.

When initiated, educational options must adhere to these criteria:

1. The parent(s)/guardian(s) must provide written approval for students under eighteen (18) years of age to participate. A copy of the written approval must be retained in the school files. Students eighteen (18) years of age or older must submit a written request to participate. This request will be kept on file in the office of the principal.
2. An instructional plan that contains written measurable objectives must be submitted to and approved by the superintendent or his/her designee.
3. The instructional plan will include an outline specifying major instructional activities and identifying materials, resources, facilities, and equipment needed to achieve instructional objectives.
4. Promotion and retention decisions, for students participating in an option as a substitute instructional plan, will consider pupil performance relative to the objectives of the option.
5. The instructional plan will include a written plan for the evaluation of student performance.
6. In tutorial programs and programs of independent study, a certificated teacher will provide both the instruction of and evaluation of students. In all other cases, including correspondence courses, a certificated teacher will provide only the evaluation of student progress.
7. The instructional plan will include a written plan, including a timeline for the evaluation of the educational option. Continuance of the option will be determined by the results of evaluation.
8. Principals, other administrators, counselors and teachers shall take a proactive stance in being alert to the possibilities of implementing educational options that may provide a beneficial learning experience for students.

Fees will be established as needed for education options. Participating students will be expected to pay fees upon beginning the option. Attendance for all four years grades 9-12 is important to attain the full benefit from the educational programs offered at Bucyrus High School. Therefore, all students shall be scheduled for the full instructional day for all four years. Exceptions may be made to accommodate placement into college courses, vocational programs, or other “educational options opportunities.”

ART DEPARTMENT

Students who intend to take any of the art courses must be aware that Art is a subject that requires a certain amount of skill and talent. The higher the level of the course, the greater the talent and skill required. Those students who have demonstrated ability in art in previous courses and who have an interest in art are strongly encouraged to take the appropriate level of art course.

Course Name: Art I 2D

Course Number: 698S

Prerequisite: None

Grade: 9-12

Credit: ½

This semester course provides instruction in the essential fundamentals of drawing, painting, and printmaking, as well as composition through application of the elements and principles of design and an introduction to art history and art analysis. Students will also experience other mediums that will be used in future levels of 2D art. Students will be asked to keep a weekly sketchbook.

Course Name: Art I 3D

Course Number: 699S

Prerequisite None

Grade 9-12

Credit: ½

This semester course provides instruction in the essential fundamentals of ceramics, sculpture, and stained

glass, as well as composition through application of the elements and principles of design as well as an introduction to art history and art analysis. Students will also experience other mediums that will be used in future levels of 3D art. Students will be asked to keep a weekly sketchbook.

Course Name: Art II - Drawing

Course Number: 702S

Prerequisite: Art I

Grade: 10-12

Credit: ½

These drawing courses build upon prior knowledge with an emphasis on developing a great understanding of art and application of the Elements of Art and Principles of Design. Specific Projects will be assigned with an emphasis given to design and craftsmanship.

Drawing 1 and 2

Students in Drawing 1 and 2 will be introduced to the basic skills and techniques of drawing and composition. Subject matter will be in the form of nature, still life, the human model and imagination. Students will engage in learning experiences that encompass art history, art criticism, aesthetics, and production, which lead to creation of portfolio-quality works. Students will be asked to keep a weekly sketchbook.

Drawing 3 and 4

Students in Drawing 3 and 4 will further refine skills learned in Drawing 1 while emphasizing the development of individual style. Students will be asked to keep a weekly sketchbook. Students will engage in learning experiences that encompass art history, art criticism, aesthetics, and basic matting and framing techniques in preparation for the Arts Festival. Students will be asked to keep a weekly sketchbook.

Course Name: Art III – Painting

Course Number: 703S

Prerequisite: Art I

Grade: 10-12

Credit: ½

These painting courses build upon prior knowledge with an emphasis on developing a great understanding of art and application of the Elements of Art and Principles of Design. Specific Projects will be assigned with an emphasis given to design and craftsmanship.

Painting 1 and 2

In this course students will be building upon prior knowledge in painting application and color theory in the replication of famous artwork and the creation of their own unique projects. Various types of paint; including watercolor, tempera, and acrylic will be used while observing and discussing the use of elements and principles of design in artist's paintings as well as their own. Students will be asked to keep a weekly sketchbook.

Painting 3 and 4

Advanced painting builds upon prior knowledge, while developing creativity, craftsmanship, and design skills. Use of design elements and principles will be used while exploring various surface applications and painting mediums (including watercolor, tempera, acrylic, and oils.) Students will also learn basic matting and framing techniques in preparation for the Arts Festival. Students will be asked to keep a weekly sketchbook.

Course Name: Art IV - Ceramics

Course Number: 704S

Prerequisite: Art I

Grade: 10-12

Credit: ½

These ceramic courses build upon prior knowledge with an emphasis on developing a greater understanding of art and application of the Elements of Art and Principles of Design. Specific Projects will be assigned with an emphasis given to design and craftsmanship.

Ceramics 1 and 2

These courses will have a focus on learning basic hand-building and throwing techniques to create both functional and experimental two- and three-dimensional clay forms. Students will also be introduced to a variety of different cultures and artists. Students will be asked to keep a weekly sketchbook.

Ceramics 3 and 4

Advanced Ceramics builds upon prior knowledge, while developing creativity, craftsmanship, and design skills. Use of design elements and principles will be used while exploring ceramics techniques, clays, glazes, and firings. They explore surface treatment relating to form, variety in ceramic materials, and loading and firing kilns. Staging and general set-up for the Arts Festival will also be a part of this course. Students will be asked to keep a weekly sketchbook.

Course Name: Art V - Sculpture

Course Number: 705S

Prerequisite: Art I

Grade: 10-12

Credit: ½

These sculpture courses build upon prior knowledge with an emphasis on developing a great understanding of art and application of the Elements of Art and Principles of Design. Specific Projects will be assigned with an emphasis given to design and craftsmanship.

Sculpture 1 and 2

These beginning sculpture courses will focus on the development of three-dimension projects that encompass the elements and principles of art. Students will create realistic and abstract projects using a variety of materials (cardboard, plaster, wood, metal, etc.) Students will also be asked to keep a weekly sketchbook.

Sculpture 3 and 4

Advanced Sculpture builds upon prior knowledge, while developing creativity, craftsmanship, and design skills. Use of design elements and principles will be used while exploring sculpture techniques. They explore surface treatment relating to form, variety in three-dimensional materials, and staging of sculptures for showing during the Arts Festival. Students will be asked to keep a weekly sketchbook.

Course Name: Art VI – Theater Set Design

Course Number: 706S

Prerequisite: Art I

Grade: 10-12

Credit: ½

Students will concentrate on the major areas of theatre technology including, production, design, construction, and performance. Students will learn how to design sets, scenery, lights, sound, and learn about responsibilities and roles for Stage Management, Production Manager, and House Manager. Some afternoon and evening work

is required in addition to in-class production work. Students will acquire behind-the-scenes stage experience through the production of the spring musical.

Course Name: Art VII Photography

Course Number: 707A

Prerequisite: None

Grade: 10-12

Credit: ½

Digital Photography is a semester course that focuses on understanding the basic operations and functions of a digital single lens reflex camera and the manipulation of its settings to achieve a specific result. Students will learn about photographic elements of art and principles of design, composition and lighting. They will explore the history of photography, learning about its scientific and technological developments, important innovators in the field, and relevance within diverse cultural contexts. Students will write and speak about aesthetic, technical and expressive qualities in a photograph learning to critique their own and others work. Students will learn image techniques and digital manipulation using Adobe Photoshop and Lightroom, teaching them how to archive, organize and optimize their photographs for print or web purposes. Students will learn how to manage and creatively alter digital images as well as critically analyze the use of visual media as a means of communication in our society today. They will be provided a greater level of autonomy, expected to pursue their own interests and develop an individual voice. Students will explore the significance of photography within the larger context of the art world, and learn about the critical and varied application it has to the modern working world.

Course Name: Art VIII Stained Glass

Course Number: 709

Prerequisite: None

Grade: 10-12

Credit: ½

These stained glass courses build a knowledge of basic techniques and design with an emphasis on developing a great understanding of art and application of the Elements of Art and Principles of Design. Specific Projects will be assigned with an emphasis given to design and craftsmanship. Students will also keep a sketchbook where they will keep designs, write down notes, and do research on stained glass techniques, movements, and artists.

Stained Glass 1 and 2

These beginning stained glass courses will focus on the development of three-dimension projects that encompass the elements and principles of art. Students will create stained glass pieces while learning the process of designing and cutting out a pattern, cutting, grinding, and foiling glass, and also soldering and framing those pieces together to make a finished piece. Students will also be asked to keep a weekly sketchbook that will include notes on project, designs for project, and research on stained glass techniques, movements, and artists.

Stained Glass 3 and 4

Advanced Stained Glass builds upon prior knowledge, while developing creativity, craftsmanship, and design skills. Use of design elements and principles will be used while exploring new stained glass techniques. They will challenge themselves with more advanced patterns and ways to attach pieces. In addition, they will be learning how to stage their work for the Arts Festival. Students will be asked to keep a weekly sketchbook. Students will also be asked to keep a weekly sketchbook that will include notes on project, designs for project, and research on stained glass techniques, movements, and artists.

BUSINESS DEPARTMENT

Course Name: Foundations of Business & Management
Prerequisite: None
Credit: 1

Course Number: 550
Grade: 10-12

Students will explore and learn about various business career opportunities. The various areas to be explored include starting your own business, business law, entrepreneurship, business structure, international business, management/supervision, communication skills, marketing, customer service, and e-commerce. The format of the class will include lecture, research, and group and individual projects.

Course Name: Sports Marketing
Prerequisite: None
Credit: ½

Course Number: 551
Grade: 10-12

This introductory course will provide students with the opportunity to learn the fundamental concepts of marketing and business through insight into the sports industry. It will focus on two main concepts of sports marketing: The marketing of sports...including, but not limited to, recreational, collegiate and professional sports and the licensing, endorsement, venue and sponsorship issues common in the industry; the marketing of non-sports products and services using sports...using the basic functions of marketing such as product management, pricing, promotion, financing, selling, distribution and marketing information management. Current issues relating to the sports industry will also be discussed. This course is intended for students with an interest in business or sports and those who may want to pursue a career in marketing.

Course Name: Foundations of Web Page Design
Prerequisite: None
Credit: ½

Course Number: 560A
Grade: 10 -12

This course introduces the fundamental elements of internet business and web design and HTML programming. Students will design personal and professional web sites while developing project management and business skills.

Course Name: Foundations of Public Speaking and Comm.
Prerequisite: None
Credit: ½

Course Number: 561A
Grade: 10 - 12

This course provides instruction and experience in preparation and delivery of speeches and communicating in a one-on-one environment. Emphasis is placed on research, preparation, delivery, and evaluation of informative and persuasive speaking. Students also will gain experience in personal conversation and interviewing.

Course Name: Foundations of Health Care
Prerequisite: None
Credit: 1

Course Number: 580
Grade: 10-12

This class is designed to acquaint students with the various career opportunities in the healthcare field through “hands-on” experiences. Among the topics to be addressed are; introductory anatomy, physiology body systems, nutrition, medical measurements and documentation, role of technology in health care, client rights, and patient care skills.

Course Name: Relationships for Healthy Living

Course Number: 583A

Prerequisite: None

Grade: 10-12

Credit: ½

This course focuses on relationships between clients and medical personnel. Emphasis is placed on professional expectations, communication and cultural influences. It will include basic medical terminology, obtaining and clarifying information and instructional practices related to establishing and maintaining wellness and healthy lifestyles.

Course Name: Health Resource Management

Course Number: 584A

Prerequisite: None

Grade: 10-12

Credit: ½

This course covers various practices relevant to medical and health oriented professions. It explains procedures involved in problem solving, business plan design, acquiring funds, utilizing technology, performance measurement, budgeting revenue and managing inventory, etc. It also covers interpersonal and professional interactions regarding employers and employees. Information from this class easily translate into other related professions.

Course Name: Computer Applications in the Workplace

Course Number: 552A

Prerequisite: Some keyboarding experience recommended

Grade: 9-12

Credit: ½

Computer Applications in the Workplace is a course that is designed for students who have had little or no computer experience. Students will gain computer experience in the computer operating system of Windows 7/Windows 8, word processing using Microsoft Word, spreadsheet software using Microsoft Excel, presentation software using Microsoft PowerPoint and database concepts using Microsoft Access.

Course name: Video Production

Course Number: TBD

Credit: 1/2

Grade: 9-12

Learn the basics of developing your own professional television program or even YouTube show. Students will have daily use of video and audio technology and be responsible for the secondary school announcements.

ENGLISH DEPARTMENT

Course Name: English I (Block Course)

Course Number: 027

Grade: 9

This course addresses basic vocabulary, grammar, reading, research, and writing skills. The students will be presented with a wide variety of literary forms and experiences with the writing process.

Course Name: Honors English I (Block Course) **NCAA**

Course Number: 028

Prerequisite: Teacher Recommendation

Grade: 9

This course addresses vocabulary, grammar, reading, research, and writing skills for the academically motivated student on an accelerated level. Honors English I places emphasis on clear, concise, organized, correctly written communication. **This course will have a minimum of 5-10 hours of homework weekly.**

This course will introduce students to the sociological study of society. Sociology focuses on the systematic understanding of social interaction, social organization, social institutions, and social change. Major themes that will be examined in this course include the interplay between the individual and society, how society is both stable and changes, the causes and consequences of social inequality, and the social construction of human life. Students will be able to identify and explain social patterns and how such patterns change over time and in different settings. Upon completion, students should be able to demonstrate knowledge of sociological concepts as they apply to the interplay among individuals, groups and societies.

Spring Semester 2020

Course Name: HSS 2020: Ethnic and Cultural Diversity

Course Number: 202 MTC

Prerequisite: College Readiness Score

Grade: 9-12

Credit: ½

This course will introduce the student to the richness of diversity within the United States. The course will examine the similarities and differences of people of various racial and cultural heritages. Topics that will be examined include: the origin and effects of prejudice and discrimination, and investigations into the historical experiences of the major racial and ethnic groups in America. Students will have the opportunity to assess their own attitudes regarding the diversity this nation offers. Students will gain information that will assist in improving their ability to relate to people of diverse backgrounds.

Course Name: ALH 1110: Medical Terminology

Course Number:

Prerequisite: None

Grade: 9-12

Credit: ½

This course builds a workable medical vocabulary applicable to all specialties of medicine. This student will learn definition, pronunciations, spelling and abbreviations of anatomical structures, symptomatic diagnostic and procedural terms pertaining to each medical specialty and body system. Medical terms will also include pharmacology, clinical laboratory, radiology, and surgery. Basic anatomy and physiology and common human diseases will be covered for each body system.

FAMILY AND CONSUMER SCIENCE

Course Name: Principles of Food

Course Number: 633

Prerequisite: None

Grade: 9-10

Credit: ½

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

Course Name: Child Development

Course Number: 634A

Prerequisite: None

Grade: 10-12

Credit: ½

Students will discover the needs of infants and young children and how parents and childcare providers can meet those needs for healthy growth and development. Students will recognize the factors that impinge on parents. Students are able to recognize differences in individuals, cultures, circumstances, and growth and development rates to meet the needs of growing children. Childcare providers will meet the needs of children by recognizing standards set for childcare that is most likely to meet the healthy growth and development of children.

Course Name: Transitions and Careers

Course Number: 635

Prerequisite: None

Grade: 9-10

Credit: ½

In this course, students will analyze interests, aptitudes and skills to prepare for careers and transition through life. An emphasis will be placed on work ethics, team building, communication and leadership skills. Additional topics will include technology etiquette and career planning.

Course Name: Food Science

Course Number: 636

Prerequisite: None

Grade: 10-12

Credit: ½

In this course, students will apply basic culinary practices and understand how flavor, texture and appearance are affected during food preparation. Students will evaluate chemical reactions as they occur in cooking methods and assess how to control high-risk food safety situation. Food safety and sanitation techniques will align to industry-recognized certifications.

Course Name: Culinary Fundamentals

Course Number: 637

Prerequisite: None

Grade: 10-12

Credit: ½

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

FOREIGN LANGUAGE DEPARTMENT

Three levels of Spanish are offered. Coursework focuses on developing the five skill areas: listening, speaking, reading, writing, and culture. The cumulative sequence also emphasizes geography, history, literature, and cultural awareness.

Course Name: Spanish I **NCAA**

Course Number: 051

Prerequisite: Successfully pass English with not less than a “C”

Grade: 9-12

Students will learn the basic communication skills of speaking, listening, reading, and writing, to understand and make simple responses with conversational Spanish. Emphasis is placed on vocabulary building and useful basic grammatical structures.

Course Name: Spanish II **NCAA**

Course Number: 052

Prerequisite: Successfully pass Spanish I

Grade: 10-12

Continuing with reading and storytelling in the target language, students maintain their efforts to become proficient in a second language. Reading, writing, speaking, and listening skills are prolonged goals while grammatical and cultures lessons are increased.

Course Name: Spanish III **NCAA**

Course Number: 053

Prerequisite: Successfully pass Spanish II

Grade: 11-12

A strongly suggested course for the student seeking an honors diploma for graduation, Spanish 3 continues the skills introduced in earlier courses while including studies in Spanish history, geography, and culture with an ongoing emphasis on communication in Spanish.

Course Name: Spanish IV **NCAA**

Course Number: 054

Prerequisite: Successfully pass Spanish III

Grade: 12 only

A strongly suggested course for the student seeking an honors diploma for graduation, Spanish 4 continues the skills introduced in earlier courses while including studies in Spanish history, geography, and culture with an ongoing emphasis on communication in Spanish.

HEALTH, PHYSICAL EDUCATION DEPARTMENT

Course Name: Health I

Course Number: 412

Prerequisite: None

Grade: 9-12

Credit: ½

This class is required for graduation and focuses on health issues that affect today's high school students and how to make choices for a healthier lifestyle.

Course Name: Health II

Course Number: 413

Prerequisite: Health I

Grade: 10-12

Credit: ½

A continuation from the Health I curriculum, this class deals with the various systems of the body as well as public and environmental health issues.

Course Name: Health III

Course Number: 415

Prerequisite: Health II

Grade: 10-12

Credit: ½

Health 3 is a class that offers students the opportunity to participate in fitness activities and study fitness activities that they may want to participate in for the rest of their life. Students will study in detail the following fitness activities: Aerobics, Yoga, Zumba, Taekwondo/Karate, Jazzercise and other activities available at local fitness centers. They will also be exposed to fitness facilities and what they offer in a 30 mile radius. Guest speakers will also come in to make presentations to the Health 3 students in the areas listed above when possible.

Course Name: Physical Education Course Number: 414
Prerequisite: None Grade: 9-12
Credit: ¼

This class is required for graduation and includes a variety of physical activities that will work to improve strength, conditioning, and various athletic skills and knowledge.

Course Name: Life Sports Course Number: 416
Prerequisite: None Grade: 10-12
Credit: ¼

This is an advanced physical education class designed to provide an opportunity for students with above average athletic skills to develop an appreciation for lifetime sports and leisure activities.

Course Name: Fitness and Conditioning Course Number: 420
Prerequisite: None Grade: 10-12
Credit: ¼

Do you want your muscles more toned and defined? Sign up for Fitness and Conditioning and learn how to increase muscle definition and decrease body fat. This course introduces weight training, cardiovascular training, and flexibility exercises. The goal of this program is developing healthy routines and understanding that fitness is a personal responsibility.

Course Name: Sports Professions Course Number: 425
Prerequisite: None Grade: 9-12
Credit: ½

Students will gain a deeper understanding of the vast professional opportunities in athletics/sports. Students will explore employment in high school, college, and professional athletics; as well as owning your own sports-related business.

Physical Education Credit Flex

Elective credit in physical education can be earned through participation in extracurricular activities/sports. Students can earn ¼ credit of physical education by participating in two seasons of an approved activity/sport within one calendar year or consecutive years of the same sport. Approved sports include tennis, football, volleyball, cross country, marching band, cheerleading (football and basketball combined), golf, basketball, wrestling, swimming, baseball, softball, and track. It is the responsibility of the student to submit the required form requesting credit at the end of the school year or second completed season.

INDUSTRIAL TECHNOLOGY DEPARTMENT

Course Name: Technology Systems and Design I Course Number: 591A
Prerequisite: None Grade: 9-12
Credit: ½

This systems and design semester course will explore the careers of Engineering and Architecture. The students will be introduced to two industry standard software packages: Solidworks and Chief Architect. During the

Course Name: Algebra Course Number: 315
Prerequisite: none Grade: 9-12

This course is designed to lay the foundation of a solid mathematics background. It will examine algebraic concepts and problem solving. It will include work with symbols, operations, real numbers, polynomials, factoring, solving equations and inequalities, and graphing. This course is intended for those students who wish to go on to postsecondary education. It will begin to develop the problem solving skills necessary to succeed in any post secondary education including two year degree, technological training and other forms of post secondary education.

Course Name: Honors Algebra **NCAA** Course Number: 314
Prerequisite: none Grade 9-11

This course is designed to advance the study of algebraic concepts that were developed in Pre-Algebra. It will explore the development of symbol manipulation, and advanced solution techniques involving real numbers, polynomials, factoring, solving equations and inequalities, and graphing. This course is intended for the student that wishes to pursue a four year degree at a college or university.

Course Name: Geometry Course Number: 323
Prerequisite: Algebra Grade: 10-12

This course will examine both plane and solid geometry. Relationships between lines, planes, angles, and properties of polygons will be discussed. Logical reasoning and geometric construction will also be included. This course is intended for those students who wish to go on to postsecondary education. It will begin to develop the problem solving skills necessary to succeed in any post secondary education including two year degree, technological training and other forms of post secondary education.

Course Name: Honors Geometry **NCAA** Course Number: 322
Prerequisite: Honors Algebra Grade 9-11

This course will examine advanced topics in both plane and solid geometry. Relationships between lines, planes, angles, and properties of polygons will be discussed. Investigations into geometric proof and deductive reasoning will be developed. The process of geometric construction and justification will be examined. We will begin to develop the skills necessary to prepare to take the ACT. This course is intended for the student that wishes to pursue a four year degree at a college or university.

Course Name: Algebra II Course Number: 333
Prerequisite: Geometry Grade: 10-12

This course is designed to expand on extended higher order algebraic concepts. Topics will include but not be limited to: Functions, Graphing, Trigonometric functions, Systems of equations and inequalities, Conic Sections, and Discrete mathematics. Topics for the ACT and SAT are reviewed. Graphing calculator skills and procedures will be developed. We will continue to develop and expand the problem solving skills necessary to succeed in any post secondary education including: two year associates degrees, technological training, four year degrees, and other forms of post secondary education.

Course Name: Honors Algebra II **NCAA** Course Number: 331
Prerequisite: Honors Geometry Grade: 10-12

This course is designed to advance algebraic concepts and procedures to the pre collegiate level. Topics will

include but not limited to: functions; linear, quadratic, trigonometric and rational, graphing; analytically and with the aid of technology, advanced concepts of conic sections, and discrete mathematics. Topics for the ACT and SAT are reviewed. Graphing calculator skills and procedures will be developed. We will continue to develop the skills necessary to prepare to take the ACT. This course is intended for the students that wish to pursue a four year degree at a college or university.

Course Name: Transition to College Algebra Course Number: 340T
Prerequisite: Honors Algebra II Grade: 12

This course is intended for students who are going to college but do not need Pre-Calculus or Calculus to enter post secondary studies. This course will examine algebraic concepts, graphing, and computational geometry and trigonometry.

Course Name: Pre-Calculus NCAA Course Number 341
Prerequisite: Honors Algebra II Grade: 11-12

This course will examine all areas of trigonometry, exponential and logarithmic functions, and graphing as problem solving. Graphing calculator skills and procedures will be expanded and enhanced. We will develop the advanced skills necessary to undertake Calculus. This course is intended for the student that wishes to pursue a four year degree at a college or university.

Course Name: Calculus NCAA Course Number: 142A/142B
Prerequisite: Pre-Calculus Grade: 11-12

A study of analytic geometry, limits, continuity, the derivative, basic differentiation rules, rates of change, the product and quotient rules, higher-order derivatives, the chain rule, implicit differentiation, related rates, extrema on an interval, Rolle's Theorem and the Mean Value Theorem. Function analysis includes increasing and decreasing functions and the first derivative test, concavity and the second derivative test, limits at infinity and curve sketching. Concluding topics include anti-derivatives, indefinite and definite integrals, the Fundamental Theorem of Calculus, and integration by substitution.

MUSIC DEPARTMENT

The basic program at Bucyrus High School includes those students who have skills in the various areas of music. Both the band and choir provide interesting and rewarding experiences, demanding of dedication and time, especially during performance seasons.

Course Name: Marching Band Course Number: 744
Prerequisite: Teacher Recommendation Grade: 9-12
Credit: $\frac{1}{2}$

Members of the Marching Band are expected to attend a number of mandatory summer and after-school practices and performances. The High School Marching Band represents the Bucyrus community at all varsity football games, as well as at a number of pep rallies, parades, and at national-level performances. Summer Marching Band rehearsals commence during the second week of July for incoming Freshmen, and the third week of July for all returning Marching Band members. Failure to participate in mandatory practices and performances can result in lowered grades or failures.

Course Name: Concert Band
Prerequisite: Teacher Recommendation
Credit: 1

Course Number: 747
Grade: 9-12

Concert Band members can expect to experience a challenging and rewarding variety of music, which is prepared for its educational value and public performance. Members are required to participate in a number of mandatory concerts. Failure to participate in mandatory performances can result in lowered grades or failure.

Course Name: Xband
Prerequisite: Concert Band/ audition or invitation by High School Director
Credit: ½

Course Number: 749
Grade: 9-12

Xband is an experimental group of selected Concert Band members, playing a repertoire of rock, pop, blues, and jazz music and techniques. Members are required to participate in a number of mandatory concerts. Failure to participate in mandatory performances can result in lowered grades or failures.

Course Name: Concert Choir
Prerequisite: Teacher Recommendation (audition and invitation)
Credit: 1

Course Number: 711
Grade: 9-12

Students involved in the Concert Choir will learn fundamentals of music essentials to singers, such as solfege, sight-reading, and proper vocal technique. A variety of music will be selected to reinforce these skills and demonstrate them to our audiences. Music will be chosen to challenge the students and help them expand their abilities as singers. Participation, both in class and during public performances, is essential to this course. Grades will be based on class participation, written assignments, performances and vocal tests.

Course Name: Music Theory & Technology
Prerequisite: Teacher Recommendation
Credit: ½

Course Number 720
Grade: 9-12

This class is intended for those students that want to learn more about music, beyond performance. The course will include music notation, learning structure of music, writing music, analyzing written and recorded music and listening to characteristics. Students will be given the foundation that they will need to begin to arrange recordings into printed performance works for various ensembles. Chord progressions, transpositions, ear training, and keys will be emphasized in a step-by-step approach that will allow students to begin to turn their favorite recordings into printed music, and their favorite printed music into recordings. Students will also be exposed to established and emerging music technology in order to accomplish these objectives.

Course Name: Introduction to Theatre
Prerequisite: None
Credit: ½

Course Number: 717
Grade: 9-12

This class provides opportunities for students to explore fundamental theatre skills and techniques. Students will learn the basics of theatre and acting through projects, including the creation and performance of short scenes, plus individual and ensemble acting. Additional studies will include theatre critique.

Course Name: Introduction to Guitar Playing

Course Number: 750

Prerequisite: None

Grade: 9-12

Credit: 1/2

This class is intended for students with little to no experience playing the guitar. Students will be given the broad foundation they need to perform various styles of music, and note reading, tablature reading, chord playing, patterns, and improvisation will be emphasized in a step-by-step approach. Students who enroll in this class must have their own full size acoustic or electric guitar (electric guitar owners must also have an amplifier) that they bring to class daily, and a minimal class fee will be charged to each student for a workbook.

SCIENCE DEPARTMENT

Three credits of science are required for graduation. All freshmen must take Biology or College Prep Biology with prior approval. All sophomores must take a credit of physical science. Students will have the option of completing a 1 credit advanced study course, or two 1/2 credit courses to fulfill their third science requirement.

Life Science (1 credit)	Physical Science (1 credit)	Advanced Study (1 credit)
Biology CP Biology Honors Anatomy and Physiology	Honors Chemistry Physical Science Honors Physics	Honors Anatomy and Physiology Honors Physics
Advanced Study (1/2 credit)	Advanced Study (1/2 credit)	Advanced Study (1/2 credit)
Botany/Ecology	Astronomy Physical Geology	Criminology/Forensics

- These courses are required for the Diploma with Honors -- CP Biology, Honors Chemistry, Honors Physics, and Honors Anatomy and Physiology

Course Name: Biology

Course Number: 222R

Prerequisite:None

Grade: 9

This course completes a credit of life science required for graduation. Concepts covered will include heredity, diversity of organisms, and ecology. Students will be required to complete several projects, homework, labs, and keep a scientific notebook.

Course Name: College Prep Biology

NCAA

Course Number: 228CP

Prerequisite: prior approval

Grade: 9-12

As a college prep course the material in this course will move at an accelerated rate (and depth) with the emphasis on expertise and experiences in laboratory procedures. Concepts covered include; molecules, cells, heredity and DNA, evolution, photosynthesis and cellular respiration, and populations and ecosystems. The work will be demanding and require extra time outside of the classroom to successfully complete this course. A strong work ethic is essential.

Course Name: Integrated Physical Science

Course Number: 220

Prerequisite: Biology

Grade: 10

Physical Science is a course that stresses physical sciences and is designed to prepare all students for becoming a scientifically literate citizen. Topics to be covered includes; the design and evaluation of scientific investigations, science validity and evidence, laboratory safety procedures, properties and chemical processes in society. Students will be involved with activities and investigations which will develop skills in observation, data collecting, making hypotheses and drawing conclusions. Students will acquire and process scientific knowledge and will apply conceptual understanding to new situations.

Course Name: Physical Geology

Course Number: 235

Prerequisite: Biology and Physical Science

Grade: 11-12

Credit: ½

Physical Geology is an elective course for students who are college-bound or with an interest in Earth Sciences. The course will be broken into physical geology, topography, oceanography, and paleontology. Students will explore the Earth System through examination of earth materials, processes and structures within a plate tectonics framework; origin and structure of the earth, rocks and minerals, geologic time, fossils and evolution, earthquakes and volcanoes, ocean basins, formation of landscapes, special topics of current or particular student interests. Ties are made between the study of physical geology and application to careers especially in the construction and maintenance of infrastructure (roads, buildings, canals, airports, etc.).

Course Name: Criminology/Forensics

Course Number: 245

Prerequisite: Biology and Physical Science

Grade: 11-12

Credit: ½

Forensic Science is the application of science to those criminal and civil laws that are enforced by police agencies in a criminal justice system. It is a comprehensive course incorporating Biology, Chemistry, Physics, Entomology, Earth Science, Anatomy and Physiology as well as other aspects of Science. The main focus of this course will be to emphasize the evidential value of crime scene and related evidence and the services of what has become known as the crime laboratory. Application of forensic science to future careers at law enforcement agencies, crime laboratories, and the military will be explored. This course combines basic theory and real laboratory experiments, creating an experiment based situation for the better understanding of the students.

Course Name: Astronomy

Course Number: 236

Prerequisite: Biology and Physical Science

Grade: 11-12

Credit: ½

This course introduces students to the composition and structure of the universe. Astronomy is the scientific study of the contents of the entire Universe, in this elective course the students will be provided with an opportunity to study the universe – its conditions, properties, and motions of bodies in space. The content includes, but is not limited to, historical astronomy, astronomical instruments, the celestial sphere, the solar system, the earth as a system in space, the earth/moon system, the sun as a star, and space exploration.

Course Name: Botany/Ecology

Course Number: 237

Prerequisite: Biology and Physical Science

Grade: 11-12

Credit: ½

Botany is the scientific study of plants and their relationship to the environment. In this course students investigate the growth, reproduction, anatomy, morphology, physiology, biochemistry, taxonomy, genetics, and ecology of plants. Students will explore application of these studies to careers in farming, landscaping, golf course management, as well as casual home gardening. Laboratory and outdoor experiences complement classroom activities.

Course Name: Honors Anatomy/Physiology

NCAA

Course Number: 229

Prerequisite: College Prep Biology

Grade: 10-12

Anatomy/Physiology is a course for students who are college-bound and is designed around the specific study of human anatomy and physiology. You will learn about cells, tissues, organs, and systems of the human body. This course will include the dissecting of several specimens. The intent of this course is to prepare students for college level biological sciences.

Course Name: Honors Chemistry

NCAA

Course Number: 233

Prerequisite: At least a B in Algebra and CP Biology

Grade: 10-12

Chemistry involves the study of the properties and composition of substances. Experiments will be used to develop and present the concepts that are being taught. The course is designed to give the student a better understanding of the chemical world around him/her and to prepare him/her for science at the college level. Chemistry is essential in medicine, nursing, engineering, and any science related profession.

Course Name: Honors Physics

NCAA

Course Number: 240

Prerequisite: Honors Algebra II

Grade: 12

Honors Physics deals with the science of the relation of matter and energy. Honors Physics constitutes a major part of engineering, medicine, and all areas of science and technology. The topics covered in this course are the study of motion, the characteristics and behavior of matter and energy, and waves (including sound and light, electricity and magnetism). These topics will be explored through laboratory experiments and class work with an emphasis on the conceptual understanding of physics. The work will be demanding and require extra time outside of the classroom to successfully complete this course. Strong math skills are essential.

SOCIAL STUDIES DEPARTMENT

Course Name: American History

Course Number: 125H

Prerequisite: None

Grade: 9

This course will explore the major historical issues, themes, and debates of American history from Reconstruction to the new millennium (1877-present). It will examine, in particular, the reconstruction of the nation following the Civil War, the rise and impact of the industrial revolution, the changing fortunes of farmers, workers, and women at the turn of the century, race and ethnicity, American imperialism and foreign relations, progressivism, the Roaring 20's and Depression 30's, the Age of FDR from New Deal to World War II, the Cold War, politics, culture, and society in the 1950's and 60's, the rise of New Right, America at the end of the Cold War, and present-day issues.

Course Name: Global Studies

Course Number: 135

Prerequisite: None

Grade: 10

Students will study world history, cultural geography, world regional maps, and current global issues.

Course Name: World Geography

Course Number: 145

Prerequisite: None

Grade: 10 – 12

World Geography is the study of the world's peoples, places, and environments, with a focus on world regions. Regions studied include: North America, Latin America, Europe, Africa, Asia and Oceania. A study of the various cultures and customs that have developed throughout the world will be included. Emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives.

Course Name: Government

Course Number: 138AB

Prerequisite: None

Grade: 11

This course is a comprehensive social studies class examining the relationship between the government and its citizens. The course seeks to analyze public policy through the study of past and current events. Comparative governments, political science, foreign policy, and civil liberties will serve as focus units. Economic concepts will also be covered including concepts in financial planning, fiscal & monetary policy, and business cycle indicators. The class block will include prompt writing, article reviews, and various projects.

Course Name: Financial Literacy/Senior Seminar

Course Number: 212

Prerequisite: None

Grade: 12

This course is designed to inform and educate students in concepts of personal finance and money management. Effective money management is a discipline that all students need to learn before beginning life after high school. **This course is mandatory for all 12th grade students.**

Course Name: Current Events

Course Number: 160

Prerequisite: None

Grade: 10-12

Credit: 1/2

This course will investigate current events impacting the news cycle. Exposure to media fundamentals and resources through the study of recent public policy issues will be highlighted. Article reviews and projects will be assigned. A weekly periodical or paperback text will be purchased for the class.

VOCATIONAL PROGRAMS

This program is designed to help students explore many areas of experience so that they might discover and develop interests on which they can concentrate in school or after graduation. This program will fulfill the basic high school requirements for graduation and will prepare the individual for living in society.

Course Name: E.Marketing.Com

Course Number: 555

Prerequisite: Application/Interview

Grade: 11-12

Credit: 1

The marketing education program is designed to assist juniors and seniors in developing the skills needed to

become successful in the world of business. (Students will receive, upon completion, 3 credits--two for the course and one for the training station.) Marketing prepares students who are interested in business and marketing for college and/or the business world. The primary objective of the marketing education program is to prepare students for their career in the business environment. The marketing education program consists of three major components:

1. The marketing class--a year long course that is based on the fundamentals of marketing. Topics include: personal selling, e-commerce, human relations, leadership development, and personal marketing.
2. The training station - students are required to have an approved training station with an average of 15 hours per week.
3. DECA - through DECA, students are given the opportunity to apply what they have learned in local, state, and national competitive business-related situations for cash awards, travel, and national recognition. (All marketing students will be members of DECA.)

Course Name: Digital Marketing

Course Number: 558

Prerequisite: None

Grade: 10-12

Credit: ½

Students will apply tools, strategies and processes to communicate digitally with targeted customers. They will create, implement, and critique online advertising, email marketing, websites, social media, mobile marketing, search-engine optimization, video or images and podcasts/webcasts. Students will apply project management techniques to guide and control digital communications efforts. They will also create and repurpose content for use in digital environments. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

Course Name: Media Communications

Course Number: 575

Prerequisite: PCTC Application/Teacher Recommendation

Grade: 11/12

Credit: 3

This TECH-PREP program teaches students the fundamentals of broadcasting and media communications. The two year lab consists of 1 block each day of in-school learning. Juniors and seniors participate in 150 hours of internship activity each year. Students plan their remaining schedule with coursework needed for graduation. Students from schools other than Bucyrus may remain at the high school for academic classes or make arrangements to return to their home school. Potential future employment opportunities include: Broadcasting, Marketing/Business, Production including camera operations, editing or engineering, game designing, web designing/engineering, record engineering, content designing specialist, and multimedia programming. "C" or better in Algebra suggested.

Course Name: Using Technology for Social Change

Course Number: 562

Prerequisite: None

Grade: 10-12

Credit: ½

Students will review challenges facing our community and learn about leaders who have worked to change our world view. The course will focus on how technology is impacting society while each student considers his or her personal point of view.

Important Note

* NCAA approved courses

Other:

Course Name: **Open Water Scuba Diver**

Grades: 9-12, and adults

Prerequisites: Ability to have medical clearance & parental permission

Successful completion of this course will allow students to receive an open water scuba certification good for one’s lifetime! The PADI Open Water Scuba Diver course will include:

1) knowledge review via independent & class room studies, 2) learning of scuba skills in a confined pool area, and 3) practicing these skills in the open water with instructor supervision.

While it is NOT NECESSARY that one be an excellent swimmer, students signing up for this course must have at least basic swimming skills. This course is also an excellent choice for possible flex-credit opportunities to receive physical education credit. Additionally, a PADI open water scuba course can sometimes be transferable to colleges as a physical education elective credit(s).

Total cost of this course is approximately \$350. This fee includes all class materials, professional pool instruction, rental cost of pool & diving equipment, tanks & weights. Please contact Mr. Fourman for a full breakdown of the course expenses at k.fourman@bucyrusschools.org

Elective “E”-Course (online) Descriptions, 2019-2020

English

Gothic Literature: Monster Stories

11-12th grade

0.5 credit

From vampires to ghosts, these frightening stories have influenced fiction writers since the 18th century. This course will focus on the major themes found in Gothic literature and demonstrate how the core writing drivers produce, for the reader, a thrilling psychological environment. Terror versus horror, the influence of the supernatural, and descriptions of the difference between good and evil are just a few of the themes presented. By the time students have completed this course, they will have gained an understanding of and an appreciation for the complex nature of dark fiction.

Structure of Writing

10-12th grade

0.5 credit

Structure of Writing is the study of principles of grammar and effective writing, and application of these principles to writing. In Structure of Writing, you will learn about the types of sentences, punctuation marks and grammar rules such as subject verb agreement and tenses; you will also learn about different parts of speech and their correct usage; examine the concept of parallel structure in sentences as well as identify and correct run-on sentences. Finally, you will learn about developing paragraphs and essays.

World Literature A (text required)

11-12th grade

0.5 credit

World literature is the study of written works and masterpieces from around the globe. This course emphasizes themes found across a variety of cultures and historical timelines. The literature often transcends time and has application and significance beyond its language of origin and cultural region. World literature allows you to connect with others through common human experiences and helps you understand the political, economic, and religious forces that influenced authors and readers throughout history.

World Literature B (*prerequisite, World Literature A credit*)

11-12th grade

0.5 credit

See above description, part A

Mathematics (Elective Credits ONLY, not for graduation math requirement)

Consumer Mathematics

11-12th grade

0.5 credit

When you buy goods and services, you are acting as a consumer. For example, you might buy a sandwich for lunch or pay a hairstylist for a haircut. Consumer Mathematics is designed to teach you about real-life financial situations that require everyday math skills. As a consumer, you will be earning, spending, and saving money. This course will help you make educated and responsible decisions regarding your finances.

In this course, you will learn practical applications of math. You will learn how to plan a budget, manage bank accounts, and figure the cost of a good or service. You will also learn about taxes, payroll deductions, and how to invest and borrow money. This course will help you make informed decisions about buying or renting a home or car and teach you how to protect your purchases and investments with insurance. Finally, you will study economics, or the science of the creation, distribution, and consumption of goods and services. You'll see how economics affects you as an individual and how it affects the country as a whole.

Integrated Math A

10-12th grade

0.5 credit

Integrated Math is a comprehensive collection of mathematical concepts designed to give you a deeper understanding of the world around you. It includes ideas from algebra, geometry, probability and statistics, and trigonometry, and teaches them as interrelated disciplines. It's likely that you've been studying some form of integrated math since elementary school.

In Integrated Math A, you will begin with algebra. You will build on your understanding of ratio and proportion by studying the equations and graphs of linear relationships. You will also perform operations on polynomials—expressions that contain more than two terms. You will explore how to graph quadratic relationships and solve quadratic equations. You will also determine which types of relationships qualify as functions and analyze two special functions: arithmetic and geometric sequences. Finally, you will find answers to everyday math problems by solving rational equations.

Integrated Math B (prerequisite, *Integrated Math A* credit)

10-12th grade

0.5 credit

See above description, part A

Personal & Family Finance

10-12th grade

0.5 credit

You may never again have a course as practical and useful as Personal Finance. Throughout your life you will make money and spend money. With luck and good financial management, you will save and invest money as well. Over the years you will have cause to return to the concepts and methods introduced in Personal Finance. Other courses—in math, science, history, or auto mechanics—will provide you with skills to earn money. This course teaches how to use that money wisely.

Sciences

Archeology: Detectives of the Past

11-12th grade

0.5 credit

George Santayana once said, "Those who cannot remember the past are condemned to repeat it." The field of archeology helps us to better understand the events and societies of the past that have helped to shape our modern world. This course focuses on this techniques, methods, and theories that guide the study of the past.

Students will learn how archaeological research is conducted and interpreted, as well as how artefacts are located and preserved. Finally, students will learn about the relationship of material items to culture and what we can learn about past societies from these items.

Criminology: Inside the Criminal Mind

10-12th grade

0.5 credit

In today's society, crime and deviant behavior are often one of the top concerns of society members. From the nightly news to personal experiences with victimization, crime seems to be all around us. In this course, we will explore the field of criminology or the study of crime. In doing so, we will look at possible explanations for crime from psychological, biological, and sociological standpoints, explore the various types of crime and their consequences for society, and investigate how crime and criminals are handled by the criminal justice system. Why do some individuals commit crimes but others don't? What aspects in our culture and society promote crime and deviance? Why do individuals receive different punishments for the same crime? What factors shape the criminal case process, from arrest to punishments?

Forensic Science I: Secrets of the Dead

10-12th grade

0.5 credit

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed.

Forensic Science II: More Secrets of the Dead

10-12th grade

0.5 credit

Although the crime scene represents the first step in solving crimes through forensic science, the crime laboratory plays a critical role in the analysis of evidence. This course focuses on the analysis of evidence and testing that takes place within this setting. We will examine some of the basic scientific principles and knowledge that guides forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, entomology, mineralogy, and spectroscopy will be examined.

Great Minds in Science: Ideas for a New Generation

11-12th grade

0.5 credit

Is there life on other planets? What extremes can the human body endure? Can we solve the problem of global warming? Today, scientists, explorers, and writers are working to answer all of these questions. Like Edison, Einstein, Curie, and Newton, the scientists of today are asking questions and working on problems that may revolutionize our lives and world. This course focuses on 10 of today's greatest scientific minds. Each unit takes an in-depth look at one of these individuals, and shows how their ideas may help to shape tomorrow's world.

Veterinary Science: The Care of Animals

11-12th grade

0.5 credit

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times...we humans as

well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.

Social Studies

African American Studies

11-12TH grade

0.5 credit

Throughout US history, African Americans have faced great adversity in the form of enslavement and institutional racism. They fought for their freedom and worked to right a broken system, but their struggle continues today. This course studies the treatment of enslaved Africans as they were brought to America, the prejudices African Americans have experienced, and their important role in the social, political, and economic development of the United States.

Anthropology I: Uncovering Human Mysteries

11-12th grade

0.5 credit

"Anthropology demands the open-mindedness with which one must look and listen, record in astonishment and wonder that which one would not have been able to guess." (Margaret Mead)

The aim of anthropology is to use a broad approach to gain an understanding of our past, present, future and address the problems humans face in biological, social and cultural life. This course will explore the evolution, similarity and diversity of humankind through time. It will look at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change. Exciting online video journeys to different areas of the world will also be presented in the course.

Anthropology II: More Human Mysteries Uncovered (prerequisite, part I credit)

11-12th grade

0.5 credit

Anthropology has helped us better understand cultures around the world and through different time period. This course continues the study of global cultures and the ways that humans have made sense of their world. We will examine some of the ways that cultures have understood and gave meaning to different stages of life and death. The course will also examine the creation of art within cultures and examine how cultures evolve and change over time. Finally, we will apply the concepts and insights learned from the study of anthropology to several cultures found in the world today.

Civics A

10-12th grade

0.5 credit

A citizen is a person who is legally recognized by a state and entitled to the state's rights and privileges. Civics is the study of the rights and duties of such a person. One of the best ways to understand your rights and duties as a citizen is to study the government that defines and upholds them. In Civics A, you will learn about politics and government, and you'll analyze democracy which is the system of government used in the United States. Finally, you will examine the legislative, executive, and judicial branches of the U.S. Government. A course in Civics teaches you how to actively participate in governance and how you can help improve the quality of governance at all levels.

Civics B (prerequisite, Civics B credit)

10-12th grade

0.5 credit

A citizen is a person who is legally recognized by a state and entitled to the state's rights and privileges. Civics is the study of the rights and duties of such a person. One of the best ways to understand your rights and duties is to study the government that defines and upholds them. In Civics B, you will learn how Americans are linked to the government and each other through the media and a number of political parties. You will also take a detailed look at civic responsibility and what it means to be a contributing member of society. Finally, you will

study how and why the U.S. creates certain goods and services and you'll see how political and economic decisions made at home can affect foreign policy abroad.

Economics A

10-12th grade

0.5 credit

Economics is a social science that teaches how goods and services are created, consumed, and exchanged. Economics can cover topics locally, like how buyers and sellers of goods and services interact with one another. But it also covers topics on a larger scale, like studying a country's role in the international marketplace. Economics examines the efforts, decisions, and thought processes of people. Studying economics can tell why individuals, industries, and governments behave in certain ways. In Economics A, you will learn about your role as a consumer and also the basic principles of the U.S. free-enterprise system and how that system ties into the global market.

Economics B (prerequisite, Economics A credit)

10-12th grade

0.5 credit

Economics is a social science that teaches how goods and services are created, consumed, and exchanged. Economics can cover topics locally, like how buyers and sellers of goods and services interact with one another. But it also covers topics on a larger scale, like studying a country's role in the international marketplace. Economics examines the efforts, decisions, and thought processes of people. Studying economics can tell why individuals, industries, and governments behave in certain ways. In Economics B, you will learn about the role that business and industry plays in a nation's economy and the relationships that industry has with the government. You'll also learn more about the people who initiate businesses and the ups and downs that occur in a business cycle. Furthermore, you'll study important historical events surrounding labor laws and the responsibilities you have as a consumer in an economic system.

Introduction to Philosophy: The Big Picture

11-12th grade

0.5 credit

This course will take you on an exciting adventure that covers more than 2500 years. Along the way, you'll run into some very strange characters. For example, you'll read about a man who hung out on street corners, barefoot and dirty, pestering everyone he met with questions. You'll read about another man who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the most brilliant and influential thinkers of all time. As you read about them, you'll see where many of the most fundamental ideas of Western civilization came from. You'll also get a chance to ask yourself some of the same questions these great thinkers pondered. At the end, you'll have a better understanding of yourself and the world around you, from atoms to outer space and everything in between.

Law & Order: Introduction to Legal Studies

10-12th grade

0.5 credit

Every purchase, lease, contract, marriage, divorce, arrest, crime or traffic violation places the citizen face-to-face with the law. Law & Order is designed to provide students with an understanding of their legal rights and responsibilities.

Native American Studies: Contemporary Perspectives

11-12th grade

0.5 credit

This course examines the social, economic, religious, and political issues that Native Americans face in today's world. It looks at a number of Native American professionals and their efforts to eradicate the negative stereotypes that still surround Native American cultures. The course also sheds light on the important contributions that Native Americans have made to art and spirituality. And it demonstrates how both Native American traditions and the fight for Native American civil rights have shaped the history and social fabric of the United States.

- Native American Studies: Historical Perspectives*** 11-12th grade 0.5 credit
 When European settlers first arrived in the Americas, they found the continent already inhabited. The cultural differences between the Native Americans and Europeans, as well as their desire to occupy the same land, often led to conflict. Tensions increased over time as Europeans moved westward to establish settlements. The US government, eager for more land, imposed a number of controversial policies on Native Americans, including assimilation, forced removal, and military intervention. This course examines the persecution of Native Americans and their fight for civil rights and recognition throughout US history.
- Personal Psychology I: The Road to Self-Discovery*** 11-12th grade 0.5 credit
 Self-knowledge is the key to self-improvement! Psychology is a subject that can be applied to everyday life. New research and ideas will change the way we view ourselves and each other. This course offers exciting online psychology experiments about our own behaviour and how we behave with other people.
- Personal Psychology II: Living in a Complex World (prerequisite, Part I credit)*** 11-12th grade 0.5 credit
 Enrich the quality of your life by learning to understand the actions of others! Topics include the study of memory, intelligence, emotion, health, stress and personality. This course offers exciting online psychology experiments about the world around us.
- Social Issues*** 10-12th grade 0.5 credit
 Social issues affect everyone—they are issues which revolve around governmental policy and enforcement of laws on the civilian population. These laws and policies can have any number of significant outcomes. They can protect minorities and women from discrimination, regulate drug use, give aid to the poor, provide guidelines for education, and much more. Social issues are often controversial and debated, so having the ability to form an educated opinion on them is an important part of your citizenship.
- Social Problems I: A World in Crisis*** 10-12th grade 0.5 credit
 Students will learn more about the challenges facing societies and the relationships between societies, governments, and individuals in these areas. Each unit will focus on a particular area of social concern, often with a global view, and examine possible solutions at both a structural and individual level.
- Social Problems II: Crisis, Conflicts & Challenges (prerequisite, Part I credit)*** 10-12th grade 0.5 credit
 The Social Problems II course continues to examine the social problems that affect individuals and societies in the world today. Students learn about the overall structure of the social problem as well as how it impacts their lives. Each unit focuses on a particular social problem, including racial discrimination, drug abuse, the loss of community, and urban sprawl, and discusses possible solutions at both individual and structural levels. Students examine the connections in each issue between societies, individuals, governments, and the global arena.
- Sociology I: The Study of Human Relationships*** 11-12th grade 0.5 credit
 The world is becoming more complex. How do your beliefs, values and behavior affect the people around you and the world we live in? In this increasingly connected world, students will examine problems in our society and learn how human relationships can influence the life of the student. Exciting online video journeys to different areas of the world are also presented in the course.

Sociology II: Your Social Life (prerequisite, *Sociology I* credit) 11-12th grade 0.5 credit
Sociology is the study of people, social life and society. The development of a sociological imagination will enable students to examine how society shapes human actions and beliefs, and how such actions and beliefs in turn shape society. Exciting online video journeys to different areas of the sociological world are also presented in the course.

World Religions: Exploring Diversity 11-12th grade 0.5 credit
Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taosim. Students will trace the major developments in these religions and explore their relationships with social institutions and culture. The course will also discuss some of the similarities and differences among the major religions and examine the connections and influences they have.

Miscellaneous Content

Art History and Appreciation 11-12th grade 0.5 credit
Art has played a significant role in every major civilization throughout the history of man. The emergence of different art forms often reflects the values that a civilization deems important: religion, labor, love, political change, or even commerce. Since artwork and cultural values are so closely related, studying art is a compelling way to learn about the people who produced it.

International Business: Global Commerce in the 21st Century 11-12th grade 0.5 credit
From geography to culture Global Business is an exciting topic in the business community today. This course is designed to help students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. It takes a global view on business, investigating why and how companies go international and are more interconnected.

The course further provides students a conceptual tool by which to understand how economic, social, cultural, political and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations will all be explored in this course. Students will cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in both business activities and the 21st century.