

LIBERTY-BENTON HIGH SCHOOL
COURSE DESCRIPTIONS

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Career Technical

In AgriScience, classroom instruction is enhanced with laboratory experiments, projects, and demonstrations. Areas of study include Ag safety, research technology, environment science, business technology, plant science, animal science, mechanical science, and personal development. Each student in the Agricultural Education program is required to have a plant, animal, research, or job placement Supervised Agriculture Experience (SAE) project in addition to an improvement project. Each student is also a member of the National FFA Organization. The following is a description of the subjects taught in each course.

Course: **AgriScience I (380)**

Prerequisite(s): None

Credit: 1.25

Grades: 9-10

Length: 1 year

Cost: Class Fee, FFA Dues

AgriScience I is the introductory course in the Agricultural Education program. Subjects include: Scientific Method, Metric and English Systems, Careers, Goals, Citizenship, Safety, Woodworking, Self Esteem, Conducting Meetings, Communications, Budgets, Computers, Record Keeping, Animal Industry, Animal Nutrition, Animal Health, Equipment Operation, Plant Anatomy and Physiology, Seed Germination and Seeding Growth, Vegetative Growth, Plant Tropism, Water Quality, and Ground Water.

Course: **AgriScience II (381)**

Prerequisite(s): AgriScience I

Credit: 1.25

Grades: 10

Length: 1 year

Cost: Class Fee, FFA Dues

AgriScience II is the second course in the Agricultural Education program. Subjects include: Soil, Electrical Current, Electrical Circuits, Ag Research, Hydroponics Plant Growth, Plant Tissue Culture, Plant Genetics, Oral Presentations, Welding Marketing, Global Ag, Environmental Relationships, Power, Power Transmission, Small Engines, Professionalism, Interpersonal Relationships, Animal Reproduction, Animal Genetics, Elements, Compounds, Mixtures, Air Quality, Plant Chemical Processes, Plant Reproduction, and Plant Nutrition.

Course: **Agricultural Mechanics 10 (390), 11 (391), 12 (392)**

Prerequisite(s): AgriScience I. Must take with another Ag Education Course.

Credit: 1.25

Grades: 10-12

Length: 1 year, Can repeat up to three years

Cost: Class Fee, FFA Dues

Agricultural Mechanics is a three-year course with the subjects alternating every year, this way students can take it as a sophomore, junior, and senior. It is designed as a totally hands-on laboratory course with an emphasis on project construction to reinforce the subjects of agricultural mechanics, which are taught in the AgriScience courses. Subjects include: Woodworking, Metalworking, Welding, Plumbing, Electricity, Small Engines, Diesel Engines, Concrete and Masonry, Painting, Building Construction, and others.

Course: **Applied Science and Engineering I (393)**

Prerequisite(s): Physical Science and Biology

Credit: 1.25

Length: 1 year

Grade(s): 11, 12

Cost: Class fee, Leadership Organization Dues

Applied Science and Engineering I includes instruction in environmental science, animal science and engineering. Build upon your basic science and biology knowledge by making learning come to life. This course is taught using hands-on techniques, laboratory experiments, computer aided instruction, and class discussion. Completion of

course will require a student project and involvement in a student leadership organization that will provide opportunities in career development events. Subjects will be from the following areas:

Environmental Science: land, water, ecosystems, contaminants, air, statistical analysis, emergency response, energy sources, environmental assessment, hydrology, pollution control, waste management, drinking water treatment operations, wastewater treatment operations, hazardous materials management, wetlands management, Geographical Information Systems (GIS), and basic microbiology.

Animal Science: nutrition, body systems, care and management, health, grooming, breeding and reproduction.

Engineering: safety procedures, maintenance, operation, design, construction, metal fabrication, structural engineering, surveying and mapping.

Course: **Applied Science and Engineering II (394)**
Prerequisite(s): Physical Science and Biology
Credit: 1.25
Length: 1 year
Grade(s): 11-12
Cost: Class fee, Leadership Organization Dues

Applied Science and Engineering II includes instruction in plant science, business operations, food science and engineering. Build upon your basic science and biology knowledge by making learning come to life. This course is taught using hands-on techniques, laboratory experiments, computer aided instruction, and class discussion. Completion of course will require a student project and involvement in a student leadership organization that will provide opportunities in career development events. Subjects will be from the following areas:

Plant Science: plant nutrition, reproduction, Integrated Pest Management (IPM), anatomy and physiology, growth and production management, floral design, landscape, storage and harvesting.

Business Operations: management, finance, business leadership, customer service, technology operations, materials management, issues, marketing and sales.

Food Science: fundamentals of food science, hazard Analysis Critical Control Point (HACCP), processing of food products, preservation, quality control, "science" of industry, and food chemistry.

Engineering: engines, transmission of power, hydraulic systems, electrical systems, vehicle performance, heating and air conditioning systems.

Course: **CAD I (Computer Assisted Drafting) (466)**
Prerequisite(s): None
Credit: 1
Grades(s): 11-12
Length: Full Year
Cost: Lab Fee

CAD I will explore basic board drawing techniques and then proceed into computer assisted drafting techniques using the latest in CAD software. Students will use up to date equipment in reproduction of drawings (i.e. Plotters and blue printing machines) and drawing set up. They will learn how to use on screen items to draw, reshape and manipulate objects in both two dimensional and three-dimensional worlds. Students will learn how to modify objects using both the mouse and keyboard strokes. Combined objects, trimming and clipping are just a few of the areas that will be explored through CAD applications. If you are interested in any type of design field or an engineering field, or graphics manipulation, this course is a must for your college prep electives.

Course: **CAD II (Computer Assisted Drafting) (468)**
Prerequisite(s): CAD I
Credit: 1
Grades(s): 12
Length: Full Year
Cost: Lab Fee

CAD II will explore advanced computer drafting techniques. The class will work with architectural drafting, which will include 3-D shapes and rendering. Students will use advanced concepts in 3-D work. The class will learn to use layers and symbols to create various views and 3-D models. On 3-D objects students will be able to do flyovers and walk through simulations. Students will be able to do interior design and layout work on homes of their own design. We will also work with organizing files and creating new symbols to be used in your designs. Setting up drawing layers and handling files will be used to manipulate drawings.

Arts

Course: **Art I (300)**
Prerequisites: None
Credit: 1
Grades: 9-12
Length: One year
Cost: \$35

Art I is an introduction to the components which create a work of art; form (the organization) and content of work. Heavy emphasis on basic fundamentals of drawing, painting, small sculpture and design layout.

Course: **Drawing I (340)**
Prerequisites: Art I
Credit: .5
Grades: 10-12
Length: 1 semester
Cost: \$40

A study in several approaches to illustration using various mediums and techniques of application.

Course: **Drawing II (341)**
Prerequisites: Art I & Drawing I
Credit: .5
Grades: 10-12
Length: 1 semester
Cost: \$35

Expands our techniques covered in Drawing I, but covers a broad range of media including: pencil, conte crayon, pastels, colored pencil, illustration markers.

Course: **Painting I (342)**
Prerequisites: Art I
Credit: .5
Grades: 10-12
Length: 1 semester
Cost: \$50

Students are provided with introductions to such painting mediums as ink wash, tempera, oil and watercolor.

Course: **Painting II (343)**
Prerequisites: Art I & Painting I
Credit: .5
Grades: 10-12
Length: 1 semester
Cost: \$50

An advanced course which allows students to work in tempera and acrylics with an emphasis on oil and watercolor.

Course: **Hand-built Ceramics (344)**
Prerequisites: Art I
Credit: .5
Grades: 10-12
Length: 1 semester
Cost: \$50

A study in the construction and modeling of clay. Techniques covered include: coil building, slab, modeling.

Course: **Wheel-thrown Ceramics (345)**
Prerequisites: Art I
Credit: .5
Grades: 10-12
Length: 1 semester
Cost: \$50

Introductory level class which emphasizes wheel thrown pottery.

Course: **Computer Graphic Design (346)**
Prerequisites: Art I
Credit: .5
Grades: 10-12
Length: 1 semester
Cost: \$40

Students will be exposed to a commercially-oriented art class using a variety of medium with an emphasis on the computer.

Course: **Digital Photography (347)**
Prerequisites: Art I
Credit: .5
Grades: 10-12
Length: 1 semester
Cost: \$30

Digital cameras, image manipulation and printing are the topics for this course. Photoshop will be the software used.

Course: **Creative Arts (348)**
Prerequisites: Art I
Credit: .5
Grades: 10-12
Length: 1 semester
Cost: \$50

Students explore such mediums as clay, glass jewelry, calligraphy, batik, wood block printing, and monotypes.

Course: **Sculpture (349)**
Prerequisites: Art I
Credit: .5
Grades: 10-12
Length: 1 semester
Cost: \$40

Students will have opportunities to work with wire, clay, wood and/or plexiglass.

Course: **Advanced Art/Independent Studies (305)**
Prerequisites: Art I and a minimum of (2) two additional art offerings with a B average or better.
Credit: 1
Grades: 11-12
Length: 1 year
Cost: \$40

This course is for the serious art student focusing on portfolio development and strengthening specific art skills and methods. Students' accumulated artwork will be evaluated and/or enhanced for compilation in their personal portfolio. In addition, in-depth projects will be formed from related subjects offered in art, and grades will be an evaluation of projects completed according to a contractual agreement. This advanced course will be scheduled as an independent study during the school day, and it may be taken simultaneously with offered art classes.

Course: **Speech (320)**
Prerequisites: None
Credit: .5
Grades: 9-12
Length: 1 semester
Cost: None

Speech class looks at various aspects of the communication process with a focus on public speaking. Students are expected to study, apply, and master various communication skills. Students are required to give numerous speeches on various topics with diverse purposes. Evaluation is based on class activities, speech preparation, speech performances, and tests.

Course: **Drama (321)**
Prerequisite: None
Credit: .5
Grades: 9-12
Length: 1 semester
Cost: None

This class involves the study of theatre history, playwrights, characterizations, and technical aspects, and overall effects.

The students will:

1. Analyze plot, character, setting audience, and theme in a play.
2. Practice directing in a performance situation whether in front of peers or another audience.
3. Broaden their knowledge of plays/playwrights.
4. Be introduced to the physical stage and its workings and also to the business of producing a show.
5. Practice and master skills in improvisation, characterization, and other basic acting tools.

Course: **High School Band (310)**
Prerequisite: Middle School Concert Band, approval of the instructor, or previous experience playing a band instrument
Credit: 1
Grades: 9-12
Length: 1 year
Cost: band camp, uniform dry cleaning, shoes, shirt, gloves, instrumental repair

Liberty-Benton High School Bands offer all students an opportunity to creatively express him/herself through the combined efforts of instrumental ensemble playing. This is a performance-oriented group, which serves a multi-faceted purpose: Publicly, it provides music for football games, basketball games, as well as being showcased in public/school concerts throughout the year. Socially, it serves as a group where students of like interests can join to share their talents, as an opportunity to foster leadership, musicianship, friendship, and team building. Most importantly, educationally, the band serves as a class to learn about music, develop excellent musical skills, as well as experience accomplishments that derive from competitive and non-competitive teamwork.

The following sub-groups comprise the Liberty-Benton High School Bands:

MARCHING BAND-Fall

- Performs at all football games, as well as several marching band competitions.
- It is required that ALL students involved in the Band Program are to participate in the MARCHING BAND in some capacity.
- It should be understood that there are additional after school rehearsals for the MARCHING BAND. All additional rehearsals are discussed with the coaches of athletic teams to avoid any conflicts with students who are involved in both.

CONCERT BAND-Winter and Spring

- CONCERT BAND follows at the end of marching season, performing at several concerts as well as Large Group Adjudicated Events (as hosted by The Ohio Music Education Association).
- It is required that ALL students involved in the Band Program are to participate in CONCERT BAND.

ADDITIONAL NON-REQUIRED ENSEMBLES

- Pep Band, Jazz Band, Solo and Ensemble, Pit Orchestra

GOALS OF THE CURRICULUM:

- To develop competent musicians.
- To develop and foster an appreciation for music.
- To expose students to a wide variety of music and playing opportunities.
- To understand a wide musical vocabulary.
- Implementation of the Nine Standards set for the music by the Music Educators' National Conference.

It is to be understood that ALL rehearsals and performances are REQUIRED.

Course: **Mixed Chorus (311)**
Prerequisite: Approval of the instructor
Credit: 1
Grades: 9-12
Length: 1 year
Cost: \$1.00 class fee
\$10.00 dry cleaning fee
Solo and ensemble fees for those participating

Mixed Chorus will offer the students participation in a variety of musical experiences. These may include singing classical, sacred, and contemporary literature.

1. Maintain the line of one part within the framework of two-four part choral music.
2. Develop good vocal technique with proper breath support, blend, balance, diction, and tone production.
3. Identify musical terminology and concepts such as dynamics, tempo, phrasing, intonation, etc.
4. Sing a variety of music of many styles, including classical, sacred, secular, popular, and contemporary.
5. Encouraged to be involved in the Winter Musical as well as Solo and Ensemble Adjudicated Events.

Take responsibility for being present and contributing to ALL classes, rehearsals, and performances.

Course: **Introduction to Dance (330)**
Prerequisite: None
Credit: .5
Grades: 9-12
Length: 1 semester
Cost: Appropriate dance attire. Dance shoes recommended.

Course Objective:

1. To introduce the following forms of dance; jazz, tap, ballet, and social dance to the beginner dance student and develop the student's ability to learn the basic components of each of these forms.
2. To introduce exercises that will help gain strength, flexibility, coordination to aid in the student's execution of dance movements.
3. To introduce proper body alignment and body vocabulary, terminology and history.

Course Content:

1. Orientation of basic ballet, tap, and jazz technique and their requirements.
2. Familiarization of basic social dance steps with and without a partner.
3. Proper etiquette as it applies to each area of dance.
4. Principles of good posture and body mechanics, using correct anatomical terminology.
5. Selected viewing of specific dance performances live or on videotape.

Course: **Dance I (331)**

Prerequisite: Introduction to Dance

Credit: .5

Grades: 9-12

Length: 1 semester

Cost: Appropriate dance attire. Dance shoes strongly recommended.

Course Content and Objectives:

1. Continuation of technique and terminology specifically in ballet, tap, and jazz disciplines.
2. Increase flexibility, strength, agility, balance, and coordination.
3. Demonstrate an awareness and response to music and rhythm in dance movement and perform basic even and uneven rhythm locomotor skills.
4. Demonstrate proper body alignment during stillness, axial, and locomotor combinations.
5. Exhibit the ability to learn and demonstrate combinations quickly and correctly.
6. Demonstrate a working knowledge of each discipline's technique and its terminology.

Computer

Course: **Personal Computing (350)**

Prerequisite: None

Credit: .5

Grades: 9-12

Length: 1 semester

Cost: Lab Fee

This course provides a basic literacy in computer fundamentals and is designed for students who wish to develop proficient skills on the computer for personal, college, or business use, utilizing the computer as a productivity tool, communication tool, research tool, and problem-solving/decision-making tool. Topics will include hardware, software, applications, and impact on society. Laboratory work will emphasize all basic applications including word processing (*Microsoft Word*), spreadsheets (*Microsoft Excel*), database development and management (*FileMaker Pro* and *Microsoft Access*), rudimentary graphics (draw and paint applications), the Internet (including the history of the Internet, advanced searching techniques, Internet etiquette/ethics, e-mail accounts and server accounts), multimedia (*Microsoft power Point* and *Hyperstudio*), basic desktop publishing (*Publisher*), and the integration of all functions on the computer. Instructional strategies will include lecture with emphasis on hands-on experiences. Course assessment and evaluation will be a combination of traditional exams as well as the development of major projects.

Course: **Introduction to Programming (352)**

Prerequisite: "B" or better in Algebra I and permission of the instructor

Credit: .5

Grades: 9-12

Length: 1 semester

Cost: Lab Fee

This is intended as a first course in computer science, including an introduction to basic computer science concepts, problem-solving through the use of microcomputer software packages, and structured programming in LOGO and Visual Basic. Topics include procedural and object-oriented programming, controls, arithmetic and logical operators, Parse methods, conditional statements, strings, variables, constants, routines and subroutines, flowsheets, and algorithms in addition to other programming concepts. Instructional strategies will include a combination of lecture and hands-on programming experiences. Course assessment and evaluation will be a combination of traditional exams as well as the development of major projects.

Course: **Web Development I (353)**
Prerequisite: none
Credit: .5
Grades: 9-12
Length: 1 semester
Cost: Lab Fee

This course offers a practical experience in the creation of Web pages. Students will learn how to write HTML code and use HTML editors to format text, add color and images, utilize tables, frames, and forms. Digitized audio, digitized still and motion video, and scanned images are incorporated into Internet projects. Instructional strategies will include lecture with emphasis on hands-on experiences. Course assessment and evaluation will be a combination of traditional exams as well as the development of major projects.

Course: **Web Development II (354)**
Prerequisite: Passing grade in Web Development I
Credit: .5
Grades: 9-12
Length: 1 semester
Cost: Lab Fee

Building upon the skills and concepts presented in Web Development, students will learn to use advanced web techniques such as Javascript and web enhancements including Macromedia Flash. Students will apply multimedia, authoring, screen design and courseware design skills to the development of Web pages. Students will also be responsible for managing authentic web projects including a student-body newspaper and portions of the Liberty-Benton webpage. Instructional strategies will include lecture with emphasis on hands-on experiences. Course assessment and evaluation will be a combination of traditional exams as well as the development of major projects.

Course: **Audio and Video Production (355)**
Prerequisite: Permission of the instructor
Credit: .5
Grades: 9-12
Length: 1 semester
Cost: Lab Fee

Introduces the basic equipment operation and aesthetic principles of audio and video production. Presents practical training in pre-production, production, and evaluation techniques for broadcast and non-broadcast productions. Topics will include the basics of studio operations, editing skills, storyboarding/scripting, directing, camera and microphone techniques, in-camera editing, titling, visual effects and other techniques in the development of quality video and audio productions. Emphasis will be placed on producing audio and video as an artistic expression and the affect these messages have on the audience. Instructional strategies will include lecture with emphasis on hands-on experiences. Course assessment and evaluation will be a combination of traditional exams as well as the development of major projects.

(NEW) Course: Audio and Video Production II (366)
Prerequisite: Audio and Video Production I (or permission of the instructor)
Credit: .5
Grades: 9-12
Length: 1 semester
Cost: Lab Fee

ADVANCED AUDIO-VIDEO PRODUCTION .5 credit Prerequisites: **Audio and Video Production**. This course will give detailed equipment operation and aesthetic principles of audio and video production. The students' will gain a new perspective in audio/video broadcasting. Students will use authoring software such as Adobe Premiere Elements and After Effects to work with graphics, video, animation, and the transmission of digital images. Students will record and edit audio and video. Instructional strategies will include lecture with emphasis on hands-on experiences. Course assessment and evaluation will be a combination of traditional exams as well as the development of major projects.

Course: **Yearbook I, II, III, and IV (360,361,362,262)**
Prerequisite: Application
Credit: 1
Grades: 9-12
Length: Full Year
Cost: None

This course will be in charge of producing the high school annual. Basic concepts of running a business will be covered. Topics such as raising money through ad campaigns and patrons, cutting costs to maintain a positive balance, meeting your customer's needs and wants, and seeing a project from start to completion will be taught. When a student leaves this class they will have experience in completing short and long-term goals and working as a team. They will also have samples of their work to show college recruiters and business professionals. The class is primarily project oriented, giving students a hands-on approach to learning. Evaluations will be based primarily on deadline completions and class contributions.

Family and Consumer Science

Course: **Foods I (411)**
Prerequisite(s): None
Credit: .5
Length: 1 semester
Grade(s): 9-12
Cost: Lab Fee

This semester course is an introduction to food preparation. By the end of Foods I, students will know how to make nutritional food choices, plan and prepare meals, and cook and bake a wide variety of foods. Students will learn how to balance time, money and other resources while preparing popular and new foods from breakfast to dinner. They will also learn and develop cooperation, team work and leadership skills. Students make food to eat in class or sometimes to take home to their families. Tasty recipes are chosen that can be prepared in 45 minutes or less. One home cooking project is required. If you like to cook or want to learn, this course is for you!

Some of the many labs will be:

- basic baking and desserts
- fun ways with vegetables and fruits
- homemade soups
- pasta and Italian foods
- easy meat and meal ideas
- entertaining friends with tasty appetizers and finger foods
- vegetables and Chinese cooking
- homemade bread items

Course: **Foods II (412)**
Prerequisite(s): Must be a junior, senior or sophomore who has taken Foods I
Credit: .5
Length: 1 semester
Grade(s): 10, 11, 12
Cost: Lab Fee

Foods II is a popular course because students learn to create fun and unique foods while developing life long skills. Both males and females enjoy planning meals, tasting new foods, and experimenting with new recipes while preparing all sorts of dishes. Starting where Foods I left off, Foods II continues to teach skills in food preparation, meal planning, and nutrition. Students will enjoy breakfast foods, fancy lunches, after school snacks, and dinners, some with an international flair. Throughout the semester, students will be required to complete at least one cooking project at home.

Specific Topics Include:

- planning, preparing, and serving meals and snacks
- selecting and using kitchen equipment
- shopping for food and making wise purchases
- wellness, health, and well being and nutrition
- eating habits and exercise patters
- health concerns and relationships to food choices

Labs Include:

- holiday meals and entertaining
- fancy desserts and pies
- bakery products and yeast breads
- how to prepare meals with vegetables, meat, grains and dairy
- breakfast and brunch foods
- foreign food and regional food cooking
- simple college cooking to fancy meals

Course: **Child Development, Parenting and Families (413)**
Prerequisite: None
Credit: .5
Grades: 10, 11, 12
Length: 1 semester
Cost: Lab Fee

This course is designed for 10th, 11th, and 12th grade students who someday want to work with children or have a family of their own. The course begins with a look at the many decisions involved in parenting and continues with the study of human development from conception to school-aged children. Lessons will include the roles of parents, the responsibilities of parenthood, information about reproduction and pregnancy, the development and care of children and building healthy families. If you are considering a career in teaching, social work, or working with children this course is highly recommended. Open to males and females in grades 10-12.

Specific topics include:

- parenthood roles and responsibilities
- human reproduction & pregnancy
- growth & development of children from birth to age 6
- guidance and discipline of children
- childcare services, support, and assistance
- family roles, stages, and functions
- building and maintaining healthy family relationships
- careers in the child care industry

Course: **Creative Sewing I (416)**
Prerequisites: None
Credit: .5
Grades: 9-12
Length: 1 Semester
Cost: Lab Fee plus the purchase of materials for many projects

This course teaches the student basic sewing skills. We will start at the very beginning, from learning to use a sewing machine to choosing patterns and fabrics. From there, sewing projects will begin with simple projects and

gradually getting more difficult. Students will make a pillow, pajama shorts or pants, and a large quilt/blanket. A minimum of three individual projects will be completed. We will also cover basics of clothing careers and clothing design and fashion. If you are considering a college major in interior or fashion design, this course is recommended to give you the basics of sewing that you will need in that field of study. Students are responsible for purchasing all materials they need to complete each project.

Course: **Creative Sewing II (417)**
Prerequisites: Creative Sewing I
Credit: .5
Grades: 9-12
Length: 1 Semester
Cost: Lab Fee plus the purchase of materials for many projects

Students who have taken Creative Sewing I and would like to further their skills are invited to take Creative Sewing II. Students will choose sewing projects ranging from home decorations to clothing items to stuffed animals. Projects will be chosen from a list of suggestions based on students experience and ability. Emphasis will be placed on students applying their skills to the construction of items within their ability. Students will also learn the basics of knitting and will learn enough to make a basic scarf. Students are responsible for purchasing all materials they need to complete each project. This course could be somewhat costly, as four to five projects will be completed; however, students will have these items to take home with them.

Course: **Future Choices (405)**
Prerequisites: None
Credit: .5
Grades: 10-12
Length: 1 Semester
Cost: Fee
Suggestion: Take back-to-back with Life After Graduation

Is graduation coming faster than you imagined, and you still don't know what you want to do when you grow up? This is the perfect class for you! It is designated to help students recognize their personal goals in relation to their future choices. Fun activities help students recognize how career choices affect personal satisfaction and relationships. Students will explore and investigate the hot jobs for the future and learn how to compete for jobs. The class includes hands-on activities to explore the responsibilities and problems encountered in the real world. Students will participate in a one-day job shadowing experience. If time permits, students will also become a team member in a mini classroom business that will deal with real money. Students will also learn valuable skills needed to find and keep jobs in their future. All of these skills are taught: Communication skills, leadership and teamwork skills, work ethic and integrity, and basic business writing skills.

Course: **Life After Graduation (407)**
Prerequisite: None
Credit: .5
Length: 1 semester
Grade: 11-12
Cost: Lab Fee for food labs
Suggestion: Take back-to-back with Future Choices

A must for all high school students! Life After Graduation is a practical "personal finance" class that will prepare you for almost everything after high school. Life After Graduation covers subjects getting a job, renting your first apartment, buying a car, getting insurance, using credit, and relationships with your friends and family. It also includes a basic cooking unit: "Kitchen Survival", and some very basic sewing skills. Each student will earn a salary, get "paid" every two weeks, and will learn to live within their means for the whole semester.

Whatever you plan to do after high school, whether living in a dorm, working on the job, or staying at home with your family, you will learn about the financial side of life and how you can become better prepared for it. A great class for female or male juniors and seniors.

Specific topics include:
-getting and keeping a job
-earning and managing money, personal finance

- checking accounts and banking, managing credit
- clothing care
- apartment living and other housing choices for your future
- automobile purchase and insurance
- consumer decisions and responsibilities
- building positive relationships now and in the future
- wise shopping purchases
- basic cooking skills including simple and economical main dishes and snacks

Foreign Language

Course: **French III (177)**
 Prerequisite(s): C average in French II and approval of instructor
 Credit: 1
 Length: 1 year
 Grades: 10-12
 Cost: Workbook Fee/ French Dictionary

French III will expand upon vocabulary and concepts learned in French I & II. There will be a continued emphasis on speaking, understanding, reading and writing everyday French. Students will continue to expand their knowledge of Francophone cultures and customs. Students will read Francophone literature.

1. Students will demonstrate an advanced use of French vocabulary and expressions including specialized vocabulary.
2. Students will use the target language in oral presentations, conversations, and compositions.
3. Students will demonstrate knowledge of French history and culture including art, music, and literature through various reading and listening activities.
4. Students will perfect their ability to pronounce the sounds unique to the French language.
5. Students will demonstrate the ability to correctly recognize and use advanced grammar.
6. Students will be able to understand spoken French appropriate for this level and be able to carry on a conversation based on reading materials and participate in impromptu discussions.

Course: **Spanish I (185)**
 Prerequisite: "C" (or better) in English or permission of instructor
 Credit: 1
 Grade: 9-12
 Length: 1 year
 Cost: Workbook

Spanish I will emphasize understanding the spoken and written language. It will also include learning about the people and customs of Spanish-speaking countries.

Students will:

1. Show ability to pronounce and use everyday Spanish, especially sounds unique to the Spanish language.
2. Understand and use everyday Spanish vocabulary and expressions. (Days, greetings, telling time, weather)
3. Demonstrate knowledge of Spanish culture and geography of Spanish-speaking countries.
4. Use the target language in oral presentations, simple conversations, and simple compositions.
5. Be able to understand aspects of sentence structure and simple grammar structure.
6. Student will be able to read and write paragraphs, dialogues, or letters relatively error free.
7. Understand Spanish spoken by the teacher appropriate for their level.

Course: **Spanish II (186)**
Prerequisite: "C" (or better) in Spanish I and approval of instructor
Credit: 1
Grade: 9-12
Length: 1 year
Cost: Workbook

Spanish II will expand on vocabulary and ideas learned in Spanish I. More emphasis will be given to grammar, reading, listening, writing, and speaking skills.

Students will:

1. Be able to reproduce all sounds of the Spanish language.
2. Continue to learn more about Spanish culture and geography.
3. Use Spanish in oral presentations, conversations, and partner practice.
4. Expand in oral and written grammatical skills.
5. Further their everyday Spanish vocabulary and include common idioms and expressions.
6. Understand Spanish spoken by the teacher appropriate for their level.

Course: **Spanish III (187)**
Prerequisite(s): Spanish II and approval of instructor
Credit: 1
Length: 1 year
Grade: 10-12
Cost: Needs a Spanish/English Dictionary

Spanish III class is conducted primarily in Spanish in which students are expected to participate. Topics will concentrate on Spain's History, Art, and Literature as well as current events and those of interest to high school students.

Students will:

1. Be expected to demonstrate and understand an advanced use of the vocabulary, including specialized vocabulary.
2. Demonstrate the ability to correctly recognize and use Spanish grammar.
3. Demonstrate an advanced knowledge of Spanish Art, History, and Culture through various readings and discussions in Spanish.
4. Carry on conversations based on reading materials, and participate in impromptu discussions in Spanish.
5. Be able to write short compositions and dialogues that are relatively error free.
6. Have as many opportunities as possible to meet Spanish speakers.
7. Understand Spanish spoken by the teacher appropriate for their level.

Course: **Spanish IV (188)**
Prerequisite(s): Spanish III and approval of instructor
Credit: 1
Length: 1 year
Grade: 11-12
Cost: Workbook fee

Spanish 4 class is conducted in Spanish in which students will be expected to participate. Topics will include current events, those of interest to high school students. Students will watch a video program "Familia Americana" and write summaries and take tests based on the content.

Students will:

1. Be expected to demonstrate and comprehend an advanced use of Spanish language.
2. Demonstrate the ability to correctly recognize and use Spanish grammar.
3. Carry on conversations based on reading material and participate in impromptu discussions in Spanish.
4. Be able to write short compositions and dialogues that are relatively error free.
5. Be able to carry on a natural conversation in Spanish with teacher and fellow students.
6. Make use of technology to research various topics on the Internet.
7. Be able to give oral presentations in Spanish on various topics. (Two per 9 weeks)

Course: **Spanish V (189)**
Prerequisite(s): Spanish IV
Credit: 1
Length: 1 year
Grade: 12
Cost: Monthly magazine fee

Spanish 5 (Advanced Spanish) class is conducted in Spanish in which students will be expected to participate. Topics will include current events, those of interest to high school students, and authentic stories based on Latin American folklore and fables.

Students will:

1. Be expected to demonstrate and comprehend an advanced use of Spanish language.
2. Demonstrate the ability to correctly recognize and use Spanish grammar.
3. Carry on conversations based on reading material and participate in impromptu discussions in Spanish.
4. Be able to write short compositions and dialogues that are relatively error free.
5. Be able to carry on a natural conversation in Spanish with teacher and fellow students.
6. Make use of technology to research various topics on the Internet.
7. Read and discuss important pieces of Spanish literature.
8. Be able to give oral presentations in Spanish on various topics. (Two per 9 weeks)

Health and Physical Education

Course: **Physical Education 9**
Prerequisite: None
Credit: .25
Grades: 9
Length: 1 semester
Cost: Appropriate gym attire

The objectives of the course are to develop a wholesome co-educational attitude to physical activities and to offer a well balanced curriculum. The activities for the year are as follows: soccer, softball, recreational activities, volleyball, basketball, low organized games, weight lifting, jogging, golf, floor hockey, and fitness testing.

Course: **Advanced Physical Education (421)**
Prerequisite: Physical Education 9
Credit: .25
Grades: 10-12
Length: 1 semester
Cost: Appropriate gym attire

The objectives of the course are to develop a wholesome co-educational attitude to physical activities. The activities for the year are as follows: soccer, softball, recreational activities, volleyball, basketball, low organized games, golf, floor hockey, physical fitness, flag football and team handball.

Course: **Health**
Prerequisite: None
Credit: .5
Grade: 9
Length: 1 semester
Cost: Fee for CPR book

This course uses the wellness approach to overall health, and will include major areas of mental, social, and physical health. Students will study nutrition and fitness, as these topics relate to preventative health strategies, as well as in the maintenance of dietary related illnesses and diseases. Emphasis is placed on the development of emotional and mental health in the areas of personality development, self-esteem, conflict resolution, and goal setting as a pre-requisite to the development of decisions relating to sexual behaviors, and drug use/abuse issues. Abstinence based

sex education, including sub-topics of pregnancy/development/parenthood/STD's/HIV/AIDS and other communicable and non-communicable diseases will be taught. Students will also study and have the opportunity to be certified in CPR (Cardio-pulmonary resuscitation), and basic first aid through the American Heart Association.

Language Arts

Course: **English 9 (200)**

Prerequisite(s): None

Credit: 1

Length: 1 year

Cost: Novels

English 9 incorporates a development of grammar, composition, and literature, as well as a study of vocabulary appropriate to the freshman level.

Students will:

1. Read, discuss and evaluate the short story, nonfiction, poetry, drama and the novel.
2. Further their understanding of library skills by researching a persuasive topic.
3. Broaden their knowledge of vocabulary words and expand their word choice.
4. Develop recognition of parts of speech and common errors in convention.
5. Develop composition skills in subject/verb agreement, sentence structure, capitalization, punctuation, organization and support, using examples, opinion and fact.

Course: **English 10 (202)**

Prerequisite(s): English 9

Credit: 1

Length: 1 year

Cost: Novels

English 10 concentrates on a study of the genres of literature, a review of basic grammatical principles, and composition.

Students will:

1. Read and analyze examples of the short story, essay, poetry, drama, and the novel.
2. Demonstrate their analytical ability through writing, projects, and responses to questioning.
3. Study skills in punctuation, agreement, grammar and mechanics.
4. Write paragraphs illustrating narrative, expository, descriptive, and argumentative techniques.
5. Continue to study vocabulary and word usage.

Course: **English 11 (204)**

Prerequisite(s): English 9 & 10

Credit: 1

Length: 1 year

Cost: Novels

English 11 explores the history and continuity of American literature and emphasizes the development of writing skills and vocabulary. The students will complete a term paper in the spring, along with a variety of reading assignments and written essays.

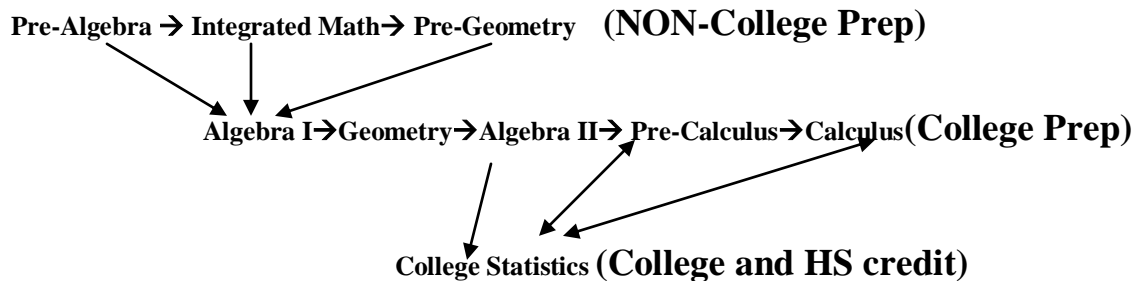
1. Students will study the origin and development of American literature and major literary movements.
2. Students will write paragraphs, essays, and reports on a variety of topics to demonstrate analytical and critical abilities.
3. Students will continue to develop vocabulary and word usage skills.
4. Students will study the characteristics and importance of style in both reading and writing.

Course: **English 12 (206)**
 Prerequisite(s): English 9, 10, & 11
 Credit: 1
 Length: 1 year
 Cost: Novels

English 12 has a focus on British Literature and World Literature beginning in the Middle Ages and ending with a concentration on Modern Writers. The goal of this course is to familiarize the student with these areas of literature so that he or she will be able to build upon the knowledge obtained from previous levels of English as we compare, contrast, analyze and synthesize these areas with the student's previous knowledge. The class will also focus on reviewing literary terms and techniques along with aspects of grammar that apply to making the student a better reader and writer. The student will also compose multiple essays in varying forms that include, but are not limited to, narrative, expository, descriptive, and argumentative. This class also focuses on building the student's ability to think critically and communicate, not only orally, but through his or her writing as well. English 12 will also require the student to revise the information in the Career Passport so that a finalized project is produced.

Mathematics

Liberty-Benton Mathematics Sequence



Course: **Pre-Algebra (102)**
 Prerequisite(s): None
 Credit: 1
 Grades: 9 - 10
 Length: 1 Year
 Cost: none

Pre-Algebra is the first class of the minimum-graduation requirement mathematics sequence. This course will differ from the Pre-Algebra course offered in the middle school in that it will expand on all the basic Algebra principles. This course will directly relate to the Algebra standards required on the Ohio Graduation test. This is NOT a college prep course.

Topics covered will include:

1. Mathematical operations involving integers, whole numbers, real numbers, rational numbers, and irrational numbers.
2. Mathematical operations involving fractions, decimals, and exponents.
3. Expressions and operations involving scientific notation.
4. Collecting and organizing data, representing data with tables and graphs.
5. Solving equations and equalities.
6. Evaluating functions and graphs.
7. Polynomials.

Course: **Integrated Mathematics (101)**
Prerequisite(s): Passing grade in Pre-Algebra
Credit: 1
Grades: 10-12
Length: 1 year
Cost: None

Integrated Mathematics is the second class of the minimum-graduation requirement mathematics sequence. This class will cover material integrated with Algebra, Geometry and Probability concepts. This course will directly relate to Algebra, Geometry and Probability Standards for the Ohio Graduation Test. This is NOT a college prep course.

Topics covered will include:

1. Data Display
2. Probability and Statistics
3. Graphing
4. Coordinate Graphing and Transformation
5. Foundations of Algebra
6. Right Triangle Trigonometry
7. Logic and Geometry
8. 3-Dimensional Geometry
9. Logic and Sets

Course: **Pre-Geometry (108)**
Prerequisite(s): Passing grade in Integrated Math
Credit: 1
Grades: 11-12
Length: 1 year
Cost: None

Pre-Geometry is the third and final class of the minimum-graduation requirement mathematics sequence. This class will cover all the basic geometry concepts that students will need to prepare them for the Geometry standards of the Ohio Graduation test. This is NOT a college prep course.

Topics covered will include:

1. Tools for Geometry
2. Reasoning and Basic Proofs
3. Parallel and Perpendicular lines
4. Congruent Triangles
5. Quadrilaterals
6. Area
7. Basic Similarity
8. Surface Area and Volume of 3-dimensional objects
9. Basic Right Triangle Trigonometry

Course: **Algebra I (103)**
Prerequisite(s): C- or better in Pre-Algebra
Credit: 1
Grades: 9-12
Length: 1 Year
Cost: none

Algebra I is the first of the 'core' college-preparatory math courses, but is not restricted to those who intend to go to college. Topics from Pre-Algebra are reviewed, included arithmetic of signed numbers and solving simple linear equations. Also taught are factoring, solving linear inequalities and quadratic equations of 1 variable, and solving equations and simplifying expressions that involves algebraic fractions. Students will gain experience in setting up and solving systems of equations. The concept of a function is introduced and developed, and students are taught to evaluate and graph linear and quadratic functions.

Course: **Geometry (104)**
Prerequisite(s): **Successful Completion of Algebra I (recommendation of at least a C- in Algebra I)**
Credit: 1
Grades: 9-12
Length: 1 Year
Cost: Each student must have a compass and straight edge

Geometry is a core college-preparatory course open to students who have earned credit for Algebra I. Relationships of points, lines, planes, angles, circles, and polygons are taught and students are shown how to prove statements using various methods. Compass and straight edge constructions are done with emphasis on why they work. Area and volume of common geometric solids and figures are studied, as are topics of graph theory.

Course: **Algebra II (105)**
Prerequisite(s): C- or better in Geometry
Credit: 1
Grades: 10-12
Length: 1 year
Cost: Each student needs a Texas Instruments Model TI-83 Plus or TI-84 Plus graphing calculator

Algebra II is one of the core college preparatory math courses, but students who do not intend to go to college may enroll in the course. Topics from Algebra I are reviewed and extended. Arithmetic of polynomial and algebraic fractions, including factoring techniques, simplifications of radicals, and solving equations and in inequalities are taught. Students learn about negative and rational exponents, learn how to use the quadratic formula, and gain a better understanding of functions. They broaden their understanding of coordinate geometry, especially the equations of conic sections (circles, parabolas, ellipses, and hyperbolas). Topics also covered are complex numbers, trigonometry, matrices, exponential and logarithmic functions, probability, and statistics. Throughout the course there are many opportunities to solve real world problems.

Course: **Pre-Calculus (106)**
Prerequisite(s): B- or better in both Algebra II and Geometry (or permission from instructor)
Credit: 1
Grades: 11-12
Length: 1 Year
Cost: Each student needs a graphing calculator, preferably the Texas Instrument Model TI-83 Plus or TI-84 Plus graphing calculator

Pre-Calculus is designed for the above average college bound student who plans to study college math at the level of calculus or beyond. Topics include but are not limited to: Trigonometry with its applications (including sinusoids and triangle trigonometry), Properties of Elementary Functions, Vectors (2-D and 3-D), Probability, Matrices, Fitting Functions to Data, Polar Coordinates and Complex Numbers, and Sequences and Series.

Course: **Calculus (107)**
Prerequisite(s): B- or better in Pre-Calculus (or permission from instructor)
Credit: 1
Grades: 12
Length: 1 Year
Cost: Each student must have a graphing calculator, preferably the Texas Instrument Model TI-83 Plus or TI-84 Plus graphing calculator

Calculus is for the student who plans to have a college major in sciences, engineering, economics, and/or business, and has completed all other college preparatory math courses offered at Liberty-Benton. Taught are the topics Functions, Limits and Continuity, the Derivative and its applications, and the Integral and its applications.

Science

| | |
|----------------|-------------------------------|
| Course: | Physical Science (151) |
| Prerequisites: | None |
| Credit: | 1 |
| Grade(s) | 9 |
| Length: | 1 year |
| Cost: | None |

This course introduces the general physical and chemical factors that will prepare students to be successful in subsequent science courses preparing for college including Biology, Chemistry, and Physics. An inquiry-based approach will be used to emphasize the following areas:

1. Properties and changes of matter.
2. Chemistry as it applies to atomic structure and the periodic table.
3. Thermal Energy.
4. Force and Motion.
5. The electromagnetic nature of matter.
6. Wave motion and energy.

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|------------------|----------------------|
| Course: | Biology (153) |
| Prerequisite(s): | Physical Science |
| Credit: | 1 |
| Grade(s): | 10-12 |
| Length: | 1 year |
| Cost: | Lab Fee |

Biology is the study of all forms of life. In depth emphasis will be placed on the following areas:

1. Properties and processes necessary for life. This includes the study of the cell, DNA, principles of heredity, and the history and evolution of life as it pertains to biological sciences.
2. The diversity and interdependence of all life including various ecosystems and the interaction of living and non-living things.
3. Historical perspectives, scientific approaches, and emerging scientific issues associated with the life sciences.

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|------------------|---|
| Course: | Chemistry (155) |
| Prerequisite(s): | Algebra I with a minimum grade of a C and Biology with a minimum grade of a C |
| Credit: | 1 |
| Grade(s): | 11-12 |
| Length: | 1 year |
| Cost: | Lab Fee |

Chemistry is the study of matter and the changes that it undergoes. Chemistry is a laboratory based class, which encourages small group learning. Major topics include data analysis, dimensional analysis, atomic structure, the mole concept, electron configurations, periodicity, chemical bonding, chemical reactions, stoichiometry, gases and acids & bases.

Some of the key objectives of the course are:

- To solve complex calculations
- To understand the structure of atoms and how they bond
- To understand and apply the mole concept when problem solving
- To use electron configurations to predict chemical reactivity
- To understand the arrangement and usefulness of the periodic table in predicting properties
- To predict products and write a balanced chemical equation
- To calculate the theoretical yield of a chemical reaction and compare it to an experimental yield

- To understand pressure, volume and temperature relationships for gases
- To identify the physical and chemical properties of acids and bases
- To explain the meaning and calculate the pH and pOH of an aqueous solution

Course: **Chem Com (154)**
 Prerequisites: Biology and Algebra I
 Credit: 1
 Grade(s): 11-12
 Length: 1 year
 Cost: Lab Fee

Chem Com is a student-centered, activity-based, issues-oriented chemistry course that encourages small-group learning. Developed by the American Chemical Society, it includes organic and nuclear chemistry that is normally encountered in a standard high school chemistry text. Chem Com is listed as an advanced course for grades 11 & 12 on the state list of recommendations for Meeting the Ohio High School Graduation Requirements. Chem Com is designed to help students:

- Realize the important roles that chemistry will play in their personal and professional roles.
- Use chemistry knowledge to think through and make informed decisions about issues involving science and technology.
- Develop a lifelong awareness of the potential and limitations of science and technology.

Each of the Chem Com's eight units focuses on a chemistry-related technological issue currently confronting our society and the world. The issue serves as a basis for introducing the chemistry needed to understand and analyze it.

Course: **Physics (156)**
 Prerequisite(s): Geometry and Chemistry with a "C" or above
 Credit: 1
 Grade(s): 12
 Length: 1 year
 Cost: Lab Fee

The course of physics is designed to introduce physics to students with a wide range of backgrounds and abilities. The class will show students how physics relates to their lives and the work around them. In this course there is a lot of emphasis on mechanics, specifically motion and the forces that cause the motion. We also cover a variety of other topics including: momentum, energy, work power, waves, electricity, and electromagnetism. The course follows the modeling format of learning, where most units begin with students performing an experiment. With the teacher's direction, the students learn the new concept through analysis of the data, and through group discussion. There are short lectures where the concepts are pulled together, and then the new concepts are used through problem solving. It is a very hands-on approach.

Some key objectives are:

- To interpret and analyze data in order to understand the various laws of physics.
- To use vectors in problem solving.
- To apply knowledge of physics and concepts learned to real life situations.

Course: **Anatomy and Physiology (157)**
 Prerequisite(s): Completion of college bound Biology with a minimum "C" grade. Must have completed or be currently taking Chemistry or Chem Comm.
 Credit: 1
 Grade(s): 11-12
 Length: 1 year
 Cost: Lab Fee

This course will focus on the study of human anatomy, identification and naming of body structures, and a study of human physiology- functions of body structures as well as the interrelatedness of body structure and function. The course will include lecture, discussion and laboratory sessions.

Emphasis will be placed on the following:

1. Studying the relationship of structure and function of the major organs systems of the human body.
2. Studying the effects of the diseases and disorders on the body structures.
3. Laboratory study including extensive dissection of preserved cats and related physiology experiments.

Course: **Ecology (158)**
Prerequisites: Biology
Credit: 1
Grade(s): 11-12
Length: 1 year
Cost: Lab Fee

Ecology is the study of organisms in relation to each other and to their environment. This course is designed to inform students about how the world exists as a delicate balance between living and non-living elements, and how man's actions alter that balance. The course will include lecture, discussion, and field studies. Second semester will include several units related to zoology and how organisms fit into their environment.

Social Science

Course: **World History I and II**
Prerequisite(s): None
Credit: 1
Grades: 9-12
Length: 1 year
Cost: None

This course is designed to provide education in World History. The first semester will emphasize ancient civilizations through the rise of world religions.

Topics will include:

1. Stone Age development.
2. Rise of civilizations.
3. Classical civilizations.
4. The rise of world religions – Christianity, Buddhism, Hinduism, Islam.

The second semester will cover the Renaissance through Contemporary History

Topics will include:

1. The Renaissance
2. Age of Exploration
3. Enlightenment and Revolution
4. Industrialization and Nationalism
5. The World at War
6. The Contemporary World

Evaluation will be based on daily assignments, tests, quiz scores, and special assignments.

Course: **America and the World I & II (9th Grade History)**
Prerequisites: None
Credit: 1 for the year
Grade: 9
Length: 1 year (2 semester courses)
Cost: None

These two courses are designed to provide a basic background in American History with reference to major developments in the world from 1815 to World War 1. They will include a general overview of history during this time period, study of specific topics, analysis of historical events and study changes that have shaped our culture and

nation's history. Topics will include the evolution of government, Westward expansions, the rise of industry, The Civil War, immigration, U.S. imperialism, reforms, and cultural changes in the U.S. and the world. Topics are related to the current events of the day and students will be asked to compare the past to the present.

Student will be expected to complete regular classroom and homework assignments. This work will include reading, taking class notes, taking notes from the book, writing, and analytical thought. Evaluation will be based in a combination of test and quiz scores, notebooks and homework, and occasional class work and projects.

Course: **America and the World III & IV**
Prerequisites: Passage of America and the World I & II
Credit: 1 for the year
Grades: 10
Length: 1 year (2 semester courses)
Cost: None

These two courses are designed to provide a basic background in American history with references to major developments in the world from WWI to the present. They will include a general overview of history during this time period, study of changes that have shaped our culture and nation's history. Topics will include evolution of government, the 1920's, Great Depression, WWII, The Cold War, Civil Rights movement, Post WWII culture, and the final decades of the 20th century. Topics are related to current events of the day and students will be asked to compare the past to the present.

Student will be expected to complete regular classroom and homework assignments. This work will include reading, taking class notes, taking notes from the book, writing, and analytical thought. Evaluation will be based in a combination of test and quiz scores, notebooks and homework, and occasional class work and projects.

Course: **World Affairs I and II (250, 251)**
Prerequisite: None
Credit: .5
Grades: 9-12
Length: 1 semester
Cost: None

World Affairs is a study of current national and international issues. Through information gathered from various news sources, students will study what is happening in the world today.

Emphasis will be placed on:

1. Major problems facing the world community
2. Problems facing the United States
3. Major news-making events
4. Identifying important world leaders and their influence on contemporary world affairs.
5. Human interest issues

Students must have access to a newspaper and/or the Internet to complete weekly assignments. Class participation is required, as students must discuss news events each week.

Course: **American Government I**
Prerequisite: America and the World I, II, III, IV
Credit: .5
Grades: 12
Length: 1 semester
Cost: None

American Government is the study of the history, principles, and application of the rights and privileges of United States citizenship. Emphasis is placed on responsibilities of a good citizen and responsibilities of government to its people. Other topics include:

1. Provisions of the Constitution
2. Election process in the United States
3. Responsibilities and qualifications of elected officials
4. Contrasts and comparison with other world governments
5. Functions of the three branches of the United States Government

Course: **American Government II**
Prerequisite: America and the World I, II, III, IV, American Government I
Credit: .5
Grades: 12
Length: 1 semester
Cost: None

American Government II is a semester class dealing with the United States system of government with special emphasis on state and local government. Topics include, but are not limited to, Governing the States, Financing Government, Civil Liberties, Voters and Voter Behavior, Interest Groups, Mass Media and Public Opinion, and Local Government.

Evaluation of each students' progress will be based on not only tests and quizzes but also on projects and participation. Students may be required to get involved in community activities and must display a knowledge of their rights and responsibilities as adult citizens. Some history will also be included to illustrate the significance of how we have attained the position we have today and what sacrifices others have made to make our world better. The philosophy behind the class is making young adults ready for the "real world".

Course: **Economics (258)**
Prerequisite: None (recommend a B on last S.S. course)
Credit: .5
Grades: 9-12
Length: 1 semester
Cost: None

Students will have the opportunity to learn about how a free market economy operates. They will study the forces that determine supply and demand. Attention will be paid to the role of government in the U.S. economy as well as in other economic systems. The course will emphasize the role of the consumer in the U.S. economic system by study of such topics as credit, employment, banking, and consumerism.

Course: **Geography (263)**
Prerequisite: None (recommend a B on last S.S. course)
Credit: .5
Grades: 9 - 12
Length: 1 semester
Cost: None

This course is dedicated to a study of the world around us. The class starts with an introduction to geography, in which students will learn the five themes of geography, the features that define the earth, the climate patterns of the earth, how to study peoples and cultures of the earth and how to use various geographic tools. From there, students will use the skills they have learned to apply to the ten areas of the world we will be studying. In addition to using these skills to apply to the ten areas, the students will look at the physical features of those areas (land, climate, and types of vegetation). Each area will also be addressed in terms of its culture, which includes studies of population patterns, history and government, and cultures/lifestyles. The final area to be addressed to each of the ten areas is current news about the area. This includes current living conditions, current news events, and how people there are interacting with their environment.

Oberlin College Post-Secondary Courses taught at Liberty Benton

Course: American History (700)

Prerequisite: At least two high school social studies/history courses with strong grades of A's or B's; strong work in English; at least Junior standing

Credit: .5 high school credit (2 Oberlin College transcript credits)

Grades: 11, 12

Length: 1 semester

Cost: \$50.00 per semester per course

This course is a survey that introduces students to key events and trends in American history. It also develops their ability to think historically, read critically, and write effective essays. The instructional methods emphasize discussion in small groups and regular writing assignments. Students are expected to complete a mid-term and a final examination as well as a substantial paper based upon primary research.

Course: College Writing (701)

Prerequisite: At least two courses in English with strong grades of A's or B's and a strong academic record with at least Junior standing.

Credit: 1 high school credit (3 Oberlin College transcript credits)

Grades: 11, 12

Length: 1 year

Cost: \$50.00 per semester per course

This course introduces students to college-level writing by focusing on (1) writing process, (2) critical reading and thinking, (3) rhetorical forms, (4) effective prose, (5) research methods, (6) style, tone and grammar. Students will write frequently in a variety of prose forms. The course will emphasize the process of writing drafts, brainstorming, revision, and editing as well as the written product.

Course: Statistics (702)

Prerequisite: Strong A's or B's in mathematics, junior standing, and enrollment or completion of pre-calculus, although strong students who have completed Algebra II are also encouraged to apply. Because students are to analyze and interpret data, writing skills are also important.

Credit: 1 high school credit (3 Oberlin College transcript credits)

Grades: 11, 12

Length: 1 year

Cost: \$50.00 per semester per course

This course will cover exploratory data analysis, data collection, probability, and inference. It will feature data collection and analysis activities in addition to traditional lecturing. It will also emphasize clear communication of results. The course also requires a final project incorporating topics learned during the year.