

# *BEDFORD HIGH SCHOOL*

## **COURSE DESCRIPTION GUIDE**

**2016 – 2017 SCHOOL YEAR**

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# BEDFORD HIGH SCHOOL

## COURSE DESCRIPTION GUIDE

2016 - 2017 SCHOOL YEAR

### GENERAL INFORMATION

#### BEDFORD HIGH SCHOOL ADMINISTRATION

**Mr. Andrew Rousselo**

Principal

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Assistant Principal – Students' last names P – Z

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**Mr. Mickey Avalos**

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**Mr. Mark German**

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**Mrs. Alice Murphy**

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#### BEDFORD HIGH SCHOOL COUNSELING OFFICE

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**Mrs. Lea Etts**

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**Mrs. Renee Fettig**

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**Mrs. Brenda Michalak**

Director of Counseling

Students' last names A – E

Open Door Students

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## Michigan Merit Exam

All students are required to take the Michigan Merit Exam (MME) test during their junior year of high school.

## Graduation Requirements

### [Michigan Merit Curriculum - Frequently Asked Question](#)

#### Credits Required to Graduate

- **Class of 2017 and beyond will need 22.0 credits.**

4.0 Credits in English

4.0 Credits in Mathematics

- 1 Credit of Algebra 1
- 1 Credit of Geometry
- 1 Credit of Algebra 2
- 1 Credit of additional math or math related\*
  - *Each student must successfully complete at least 1 mathematics course during his or her final year of high school enrollment.*

3.0 Credits in Science

- 1 Credit of Biology
- 1 Credit of Chemistry or Physics
- 1 Credit of additional science

3.0 Credits in Social Studies

- 1 Credit of U.S. History and Geography
- 1 Credit of World History and Geography
- 0.5 Credit of Civics
- 0.5 Credit of Economics

2.0 Credits in the same World Language

- Students may substitute 1 Credit if they successfully complete a state approved CTE program or additional VPAA Credit.

1.0 Credit in Visual, Performing, Applied Arts (VPAA)

0.5 Credit in Health

0.5 Credit in Physical Education

Electives: *Class of 2017 and beyond will have a minimum of 4 electives.*

The State of Michigan requires 20 hours of online learning. Class of 2017 and beyond will fulfill this requirement through the district's 1:1 initiative.

## 4th Math Related Credit Opportunities



\*Below lists several options for students to earn a math related credit that can be counted toward their 4 credits in mathematics needed for graduation. Look for the math related credit symbol throughout the guide.

Upon successful completion of the following courses students will be awarded 1 math related credit:

21<sup>st</sup> Century Business  
Advanced 21<sup>st</sup> Century Business  
Computer and Game Design Programming  
Automotive Technology  
Construction

Accounting 1  
Accounting 2  
Accounting 3  
Drafting/CAD  
Machine Technology

## College Credit Opportunities

College credit may be awarded for completion of the following programs through a CTE Articulation Agreement.

### CTE ARTICULATION AGREEMENT

Accounting Technology	Automotive Technology
21st Century Business	Computer and Game Design
Construction Technology	Drafting Technology
Machine Technology	Marketing
Radio and TV Broadcasting	Digital & Multimedia Design
Welding	

College credit may be earned through the successful completion post-secondary courses taken as a dual enrollment student.

### DUAL ENROLLMENT OPPORTUNITIES

In an effort to meet students' needs and interests, school districts have allowed their students to attend courses at local college or universities in addition to their own high school. This is called "dual enrollment".

Public Act 160 of 1996 and Public Act 258 of 2000 created the Postsecondary Enrollment Options Act which directs school districts to assist students in paying tuition and fees for courses at Michigan public or private colleges or universities. The following are some of the eligibility guidelines/standards:

1. Students in grades 9 through 12 may take up to ten postsecondary courses.
2. Students must have taken and received scores for one of the following tests: EXPLORE, PLAN, PSAT, ACT, COMPASS, SAT, or the MME. Eligibility may be based on a combination of scores from two or more of the mentioned tests.
3. 388.155 Rule 5 (2) The acts do not prohibit a district from supporting any pupil regardless of eligibility under these acts. A district may elect to support college level courses or career preparation courses for any pupil if it is in the best interest of the pupil.
4. Students must be enrolled in both the school district and postsecondary institution during the local school district's regular academic year.
5. The college courses cannot be a hobby, craft or recreation course, or in the subject areas of physical education, theology, divinity or religious education.

School districts are required to pay the amount equal to the prorated percentage of the statewide pupil-weighted average foundation allowance, based on the proportion of the school year that the eligible student attends the eligible postsecondary institution. Eligible charges include tuition and mandatory course fees, material fees, and registration fees. Eligible charges do not include transportation or parking costs or activity fees.

# Visual, Performing, Applied Arts



Look for this symbol

Students are required to earn 1 Credit in courses that address visual, performing, or applied arts (VPAA). Following is a list of current classes that satisfy this requirement. Look for the visual, performing, applied art credit symbol throughout the guide.

## **Art Classes**

Foundations 1, Foundations 2  
Ceramics 1, Ceramics 2, Ceramics 3, Ceramics 4  
2-D Art and Design  
3-D Art and Design  
Digital Photography/Cyber Art – Introduction, Intermediate, Advanced  
Black & White Photography – Introduction, Intermediate, Advanced  
Portfolio Prep

## **Business Classes**

Marketing  
Digital & Multimedia Design  
Advanced Digital & Multimedia Design

## **English Classes**

Speech & Theatre

## **Industrial Technology Classes**

Engineering & Architecture Fundamentals  
Construction Fundamentals  
Machine Technology  
CAD (Computer-Aided Drafting) Fundamentals

## **Broadcasting Technology**

Radio and TV Broadcasting Fundamentals  
Radio and TV Production Skills 1  
Radio and TV Production Skills 2  
Advanced Radio and TV

## **Family & Consumer Science Classes**

Clothing & Textile Arts  
Interior Decorating 1  
Interior Decorating 2

## **Music Classes**

Varsity Band, Symphonic Band, Jazz Band  
Freshmen Choir, Varsity Choir, Concert Choir, Soiree Singers  
Chamber Orchestra, Symphonic Orchestra  
Music Theory & History  
Popular Music  
Theatre and Stagecraft

## ART DEPARTMENT

### FOUNDATIONS 1

Grades: 9, 10, 11, 12

Prerequisite: None

.5 Credit (one semester) **COURSE 5800**

1 Credit (two semesters) **COURSE 5803**

Students will be able to register for one semester of this course or all year.

This course will offer a broad overview of both 2-dimensional and 3-dimensional art by providing students the opportunity to explore a variety of art media.

### FOUNDATIONS 2

Grades: 10, 11, 12

Prerequisite: Foundations 1

.5 Credit (one semester) **COURSE 5810**

1 Credit (two semesters) **COURSE 5813**

Students will be able to register for one semester of this course or all year.

This is for the student who enjoyed Foundations 1, and who would like to continue in an exploration of both 2-dimensional and 3-dimensional art by providing students the continued opportunity to explore a variety of art media.

### CERAMICS 1

Grades: 9, 10, 11, 12

Prerequisite: None

.5 Credit (one semester) **COURSE 5850**

1 Credit (two semesters) **COURSE 5853**

Students will be able to register for one semester of this course or all year.

Students will achieve a basic understanding of clay, glaze, and firing processes. Students will explore hand building methods to create functional and nonfunctional forms.

### CERAMICS 2

Grades: 10, 11, 12

Prerequisite: Ceramics 1

.5 Credit (one semester) **COURSE 5860**

1 Credit (two semesters) **COURSE 5863**

Students will be able to register for one semester of this course or all year.

Students will be introduced to the potter's wheel, and develop basic skills of traditional thrown forms. Students will expand upon their hand built knowledge, and create new functional and nonfunctional forms.

### CERAMICS 3

Grades: 11, 12

Prerequisite: Ceramics 2

.5 Credit (one semester) **COURSE 5880**

1 Credit (two semesters) **COURSE 5883**

Students will be able to register for one semester of this course or all year.

Students will expand upon basic wheel throwing, and be introduced to multi-piece construction of wheel thrown forms. In addition to throwing, students will create hand built forms.

### CERAMICS 4

Grades: 12

Prerequisite: Ceramics 3

.5 Credit (one semester) **COURSE 5890**

1 Credit (two semesters) **COURSE 5893**

Students will be able to register for one semester of this course or all year.

Students will continue to develop skills on the potter's wheel. The following forms and techniques will be explored: bowls, cylinders, vases, stacking/sectioning, and an independent study of form. In addition to throwing, students will create advanced hand built forms.

## **2-D ART AND DESIGN**

Grades: 10, 11, 12

Prerequisite: Foundations in Art 1

.5 Credit (one semester) **COURSE 5960**

1 Credit (two semesters) **COURSE 5963**

Students will be able to register for one semester of this course or all year.

This class encompasses all 2-dimensional art including drawing, painting, and printmaking. Students will learn the basics of line and design, color theory, and will work in a wide variety of media including pencil, pen and ink, tempera, oil, and acrylic. Students in this course may be moving towards a more serious approach to art and possible post-secondary study. Students will have the opportunity to create portfolio-quality work in this course.

## **3-D ART AND DESIGN**

Grades: 10, 11, 12

Prerequisite: Foundations 1

.5 Credit (one semester) **COURSE 5970**

1 Credit (two semesters) **COURSE 5973**

Students will be able to register for one semester of this course or all year.

This class encompasses all 3-dimensional art including sculpture, jewelry making, metalsmithing, and elements of ceramics. Students will explore a wide variety of sculptural media including stone, cast pewter, and paper mache. Similar to 2-D Design, students in this course may be moving towards a more serious approach to art and possible post-secondary study.

## **PORTFOLIO PREP – COURSE 5954**

Grades: 11, 12

Prerequisite: Foundations 1

1 Credit

This is where an advanced art student will work with the instructor on an individualized plan of action to compile a college entrance/scholarship portfolio. It is primarily intended for juniors who are finishing their portfolios, and will deal with college information, scholarship and entrance procedures. The instructor will work with both students as well as parents/guardians in the process of moving towards post-secondary study and the course is individually tailored to the unique needs of each student.

## **INTRODUCTION TO BLACK & WHITE PHOTOGRAPHY – COURSE 5908**

Grades: 9, 10, 11, 12

Prerequisite: None

.5 Credit

Students will learn traditional black and white film photography. Students will work under the red light of a darkroom to produce photos. This course will explore darkroom techniques, pinhole cameras, and 35mm manual SLR cameras. This is a great course to learn how photography started, and to experience a hands-on approach in every step of creating a photograph from film.

## **INTERMEDIATE BLACK & WHITE PHOTOGRAPHY – COURSE 5914**

Grades: 9, 10, 11, 12

Prerequisite: Introduction to Black and White Photography

.5 Credit

Students will further their knowledge of black and white photo development. Students will learn how to manipulate photos in and out of the darkroom. Get ready for a creative approach to black and white film photography including, but not limited to; double exposure, dripping, antiquing, and texture screens.

### **ADVANCED BLACK & WHITE PHOTOGRAPHY – COURSE 5924**

Grades: 10, 11, 12

Prerequisite: Intermediate Black and White Photography  
.5 Credit



Students will continue to explore creative techniques in black and white film photography. Some of the topics covered are lighting and self-expression, text & image, and we will actually burn negatives to get really cool unexpected results.

### **INTRODUCTION TO DIGITAL PHOTOGRAPHY/CYBER ART – COURSE 5928**

Grades: 9, 10, 11, 12

Prerequisite: None  
.5 Credit



Introduction to Digital Photography/Cyber Art is designed to give students a working knowledge of the camera using proper vocabulary and techniques to improve their photography skills and increase the quality of their photos. Students will work with the Elements of Art (Line, Shape, Color, Value, Form, Texture and Space) and learn to manipulate photos, including retouching and special effects, and use editing tools in Adobe Photoshop – the premier digital imaging software used by professional photographers and graphic designers around the world. Students will explore historical photographers and their contribution to photography as well as showcase their own work in a comprehensive Project Portfolio as evidence of learning throughout the course.

### **INTERMEDIATE DIGITAL PHOTOGRAPHY/CYBER ART – COURSE 5934**

Grades: 9, 10, 11, 12

Prerequisite: Introduction to Digital Photo/Cyber Art  
.5 Credit



Whether you're interested in fine art, graphic design, or developing web sites, a mastery of digital photography gives you creative control of the medium. Intermediate Digital Photography/Cyber Art provides students with a deeper knowledge of digital photographic techniques and allows them to explore more advanced methods of electronic and traditional image manipulation. This course includes working with the Principles of Design (Balance, Contrast, Emphasis, Movement, Pattern, Rhythm and Unity) to improve photographic composition. Students will combine images to produce photo montage and other special effects as well as experiment with lighting and shadow techniques. Critique will be incorporated in this class also to improve personal works through compare and contrast techniques. Students will explore contemporary photographers and their contribution to photography as well as showcase their work in a comprehensive Project Portfolio as evidence of learning throughout the course.

### **ADVANCED DIGITAL PHOTOGRAPHY/CYBER ART – COURSE 5938**

Grades: 10, 11, 12

Prerequisite: Intermediate Digital Photography/Cyber Art  
.5 Credit



Advanced Digital Photography/Cyber Art builds upon an intermediate level of Photoshop comprehension and camera knowledge. Each student will have the unique opportunity to devise challenging digital art projects based upon design criteria and their own photographic interests. Instruction is differentiated and projects will be selected on an individual basis in order to challenge each student's level of knowledge and to maximize their learning experience and creativity. This course includes advanced Adobe Photoshop techniques, special effects, photo manipulation and retouching. Experimentation is encouraged as a way to develop a deeper understanding of the digital design medium. Students will create a Photography Portfolio in both printed and electronic form to be shared with potential 'clients' or distributed to prospective employers.



# BUSINESS TECHNOLOGY DEPARTMENT

## ACCOUNTING

*All Accounting classes are eligible for the 4<sup>th</sup> math-related credit.*

### ACCOUNTING 1 – COURSE 4513

Grades: 10, 11, 12

Prerequisite: None

1 Credit



This class introduces students to the manual and computerized accounting skills used in a small business, organized as a proprietorship or a corporation. Students will learn duties that assist the accountant in recording, sorting, and filing financial data such as: journalizing and posting transactions; reconciling a bank statement; completing a worksheet; preparing financial statements; determining adjusting and closing entries; and implementing petty cash and payroll procedures. Emphasis will also be placed on ethics and business writing.

### ACCOUNTING 2 – COURSE 4523

Grades: 11, 12

Prerequisite: Accounting 1

1 Credit



Students will expand their knowledge of computerized accounting procedures with continued emphasis on corporate accounting practices, ethics, and business writing. Decision-making skills in adjustments and valuation (uncollectible accounts, plant assets, depreciation, inventory, notes, and accrued revenue and expenses), budgeting, departmental accounting systems, and payroll procedures will be emphasized. Accounting procedures related to partnerships, international and internet sales will also be introduced.

### ACCOUNTING 3 – COURSE 4533

Grades: 12

Prerequisite: Accounting 1 and 2

1 Credit



Emphasis in this course is placed on various aspects of corporate, management, and manufacturing cost accounting. Students will participate in The Stock Market Game and learn the basics of investing. Accounting career opportunities will also be explored. Students will prepare an electronic portfolio as a final project.

### 21<sup>st</sup> CENTURY BUSINESS – COURSE 4613

Grades: 10, 11, 12

Prerequisites: None

1 Credit



Are you interested in owning your own business or pursuing a career in management, finance, marketing, communications or accounting? If so, then this is the course for you! 21<sup>st</sup> Century Business students will gain practical experience in all aspects of today's technology driven global business environment. This course emphasizes the very foundation of all aspects of business in a realistic manner. In addition to covering all the functions of business management, the use of technology (Microsoft Office software) and communication as tools of business are also covered. Students will also take part in real-life business simulations and case studies to see how companies collect and use financial, market research, and product data to make decisions that affect their "bottom-line."

This course will not only prepare students for college but also entry-level job placement.

Students will be encouraged to participate in Business Professionals of America (see BHS Activity Catalog).

## **ADVANCED 21<sup>ST</sup> CENTURY BUSINESS – COURSE 4623**

**Grades 11, 12**

**Prerequisite: 21<sup>ST</sup> Century Business**

**1 Credit**



Students taking this class are expected to utilize the skills learned in 21<sup>st</sup> Century Business and be able to work in a self-starting environment using case studies, business simulations and teamwork. Students will be expected to take their skills to 'the next level'. Advanced 21<sup>st</sup> Century Business students will be expected to accept the challenge of attaining a Microsoft Office Specialist (MOS) industry certification which many businesses and colleges are requiring.

Also students who complete the BMT program will be taking a national standardized General Management NOCTI certification test. This state approved competency assessment provides successful students with a nationally recognized certification.

Students will be encouraged to participate in Business Professionals of America (see BHS Activity Catalog).

## **MARKETING – COURSE 4683**

**Grades: 10, 11, 12**

**Prerequisite: None**

**1 Credit**



Marketing develops future leaders for marketing through learning fundamentals of retail, wholesale, and service selling. Marketing focuses on enabling students to develop the knowledge, skills, and abilities needed in marketing jobs at the entry level.

Areas emphasized include the following: Marketing Basics, Salesmanship, DECA, Business Basics, Selling Techniques, Pricing, Merchandising Techniques, Promotion, Fundamentals of Retail, Personality Development, Wholesale and Service Selling, and Human Relations.

## **ADVANCED MARKETING – COURSE 4693**

**Grades: 11, 12**

**Prerequisite: Marketing**

**1 Credit**

Advanced Marketing enables the students to actively participate in marketing activities through organizing and managing events for the senior high school athletic teams and special events. The concepts learned in Marketing are used and fine-tuned. In class projects help reinforce concepts learned through in class discussions, and class work.

Areas emphasized include the following: Marketing Information, Fashion Merchandising, Product Planning, Tourism Marketing, Human Resources, Promotion and Pricing, DECA, Risk Management, Marketing Information Management, and Advanced Economics.

## **SCHOOL STORE OPERATIONS – COURSE 4703**

**Grades: 12**

**Prerequisite: None**

**1 Credit**

School Store Operations enables students to work directly with area businesses promoting their products and services using a variety of computer software, and creative imagination. The students will learn such skills as teamwork, interpersonal communication, and what it takes to manage and run a business.

During the first semester, this instructional program incorporates small business ownership and details the management functions, policies, and procedures characteristic of small business. Second term this

course incorporates small business ownership to prepare individuals to form and operate small business enterprises (including franchise operations) for the purpose of marketing a product line. Areas emphasized include the following: Human Relations, Pricing, Economics, Product Planning, Business Basics, Risk Management, Management, Promotion, DECA, and Marketing Basics.

### **MICROSOFT ACADEMY – COURSE 4814**

Grades: 10, 11, 12

Prerequisite: None

.5 Credit

Students will develop intermediate Windows application skills and Microsoft Office skills necessary to prepare for entry level employment and college. Career opportunities are explored through occupation-specific skill preparations. Students will be expected to become proficient in various office applications including Word, Excel, Access, and PowerPoint. Students will take a hands-on approach in learning how the Microsoft Office Suite is used in business and for personal use. Students may also earn MOS Certification.

### **COMPUTER & GAME DESIGN PROGRAMMING – COURSE 4903**

Grades: 10, 11, 12

Prerequisites: None

1 Credit



This course is designed for anyone who wants to learn programming. It is aimed at the total beginner and assumes no previous programming experience. If you're comfortable using your computer, then you can start programming. By the end of this course, you will have a solid foundation in the game programming language of the professionals. Students will be expected to use Web 2.0 based training tutorials and be able to work independently utilizing time management skills. **(Note: This class also qualifies for the 3<sup>rd</sup> additional Science credit)**

Students are encouraged to participate in Business Professionals of America (see BHS Activity Catalog).

### **DIGITAL & MULTIMEDIA DESIGN – COURSE 4836**

Grades: 10, 11, 12

Prerequisites: None

1 Credit



Are you interested in utilizing your creative talent? This course provides students with industry knowledge and skills needed in the overall digital media design field. Areas covered in these two courses include graphics, animation, video, and web design. An emphasis is placed on the concepts of graphic design, various digital media technologies, non-linear editing, product development and design, and career development. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing.

Business Professionals of America competitive events, work-based learning, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

### **ADVANCED DIGITAL & MULTIMEDIA DESIGN – COURSE 4846**

Grades: 11, 12

Prerequisites: Digital & Multimedia Design

1 Credit



This course provides students with industry knowledge and skills in the overall digital media design field. Areas covered in this course include graphics, animation, video, and web design. An emphasis is placed on the fundamental concepts of graphic design, various digital media technologies, non-linear editing, product development and design, and career development. Work-based learning strategies

appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing.

Business Professionals of America competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

## **ENGLISH DEPARTMENT**

**HONORS ENGLISH 9, 10, 11** (See Honors Section) - **AP COLLEGE ENGLISH** (See AP Section)

### **ENGLISH 9 – COURSE 0113**

Grade: 9

Prerequisite: None

1 Credit

This class integrates reading, writing, listening, and speaking to increase literacy in its approach to language arts instruction. Freshmen will read books from several genres and time periods, in addition to the Pearson anthology, to increase their understanding of literature, especially through the study of literary elements. They will engage in writing-to-learn activities and write processed compositions, including a research project, to improve the clarity, logic, and vitality of their writing. Grammar study will review the basic parts of speech as well as phrases and clauses.

### **ENGLISH 10 – COURSE 0143**

Grade: 10

Prerequisite: English 9

1 Credit

This class integrates reading, writing, listening, and speaking to increase literacy in its approach to language arts instruction. Sophomores will read books from several genres and time periods in addition to the Pearson anthology to increase their understanding of literature, especially through the study of literary elements. They will engage in writing-to-learn activities and write processed compositions, including a research paper, to improve the clarity, logic, and vitality of their writing. Grammar and vocabulary development are integral parts of the curriculum.

### **ENGLISH 11 – COURSE 0173**

Grade: 11

Prerequisite: English 10

1 Credit

This class integrates reading, writing, listening, and speaking in its approach to language arts instruction. Students will read a variety of literature in various genres to increase their understanding of literature, especially through their study of literary elements. They will engage in writing-to-learn activities, writing a minimum of two processed essays. Grammar and writing conventions will be taught.

### **ENGLISH 12 – COURSE 0203**

Grade: 12

Prerequisite: English 11

1 Credit

This course offers students the opportunity to sharpen their writing and speaking skills to prepare them for the workforce and postsecondary education. Students will read a variety of novels, plays, short stories, poems, and nonfiction. Various writing assignments will enhance this class, and students will be required to write a processed research paper. Grammar and writing conventions will be taught.

### **SPEECH AND THEATRE 1 – COURSE 0253**

Grades: 9, 10, 11, 12

Prerequisite: None

1 Credit



The student will participate in various speaking exercises including: informative, persuasive, or entertainment speeches, group panel discussions, conversation, as well as impromptu and extemporaneous speeches. Beginning theater skills are taught, such as pantomime, oral interpretation, stage movement, and improvisation, along with an introduction to technical aspects of the theater. This course is an elective and cannot replace required English courses to meet graduation requirements.

### **SPEECH AND THEATRE 2 – COURSE 0263**

Grades: 10, 11, 12

Prerequisite: Speech and Theater 1

1 Credit



The course will offer training in advanced speaking skills, acting, and theater science study. This course is an elective and cannot replace required English courses to meet graduation requirements.

### **WRITING FOR PUBLICATION YEARBOOK 1 – COURSE 0273**

Grades: 9, 10, 11, 12

Prerequisite: This is a writing intensive class. Interested students must submit a writing sample.

1 Credit

This course is open high school students interested in being a part of our yearbook staff. The first part of the course will be spent learning the basic skills necessary to create an award winning yearbook. Writing in correct journalistic style and photography will be covered. Computer skills will include word processing and desktop publishing. Students will learn both Adobe InDesign and Adobe Photoshop programs, standards in the publishing world. Students will be using these skills to create layouts for the yearbook and the final publishing of the yearbook. This course is an elective and cannot replace required English courses to meet graduation requirements.

### **WRITING FOR PUBLICATION YEARBOOK 2 – COURSE 0283**

Grades: 10, 11, 12

Prerequisite: B or better in Writing for Publication Yearbook 1

1 Credit

This class is open only to students who have completed Yearbook 1 or were a member of last year's yearbook staff. Students will be involved in the planning and production of the yearbook as well as the creation of layouts. They will also be responsible for ad sales and design. Editor positions are possible in this class. Second year students will learn more advanced skills in Photoshop and PageMaker. This course is an elective and cannot replace required English courses to meet graduation requirements.

### **WRITING FOR PUBLICATION YEARBOOK 3 – COURSE 0293**

Grades: 11, 12

Prerequisite: B or better on Writing for Publication Yearbook 2

1 Credit

This class is for third and fourth year students who have a serious interest in yearbook. They will work in the same class as the Yearbook 2 students. Most editors will come from this class. Advanced students will make major decisions concerning cover, theme, and section design. They also will be responsible for the most challenging layout designs. This course is an elective and cannot replace required English courses to meet graduation requirements.

### **MYTHOLOGY – COURSE 0376**

Grades: 9, 10, 11, 12

Prerequisite: None

.5 Credit

This course introduces students to classical mythology with an emphasis on Greek and Roman traditions. It considers how these myths were shaped by these cultures and the role of these myths in Western society, including their place in contemporary Western life. Students will read, discuss, and write about literature and other artistic media. This course is an elective and cannot replace required English courses to meet graduation requirements.

## **CREATIVE WRITING – COURSE 0377**

Grades: 11, 12

Prerequisites: Completion of English 9 and English 10

.5 Credit

This course in creative writing will focus on the writing of short stories and poetry. Students will write in both forms and will create a portfolio of their best work as a capstone to this class. The course will also be a survey of literature that demonstrates exemplary writing styles. This is a writing intensive class that will require critiquing the work of fellow students and will help students develop keen revision techniques. Students will learn how to develop meaningful characters, imagery, diction, plots, settings, and other techniques of effective creative writing. This course is an elective and cannot replace required English courses to meet graduation requirements.

## **FAMILY AND CONSUMER SCIENCE DEPARTMENT**

### **BASIC FOODS & NUTRITION SCIENCE – COURSE 5624**

Grades: 9, 10, 11, 12

Prerequisite: None

.5 Credit

This course stresses basic food and nutrition skills that students can use in a variety of settings and situations.

Areas emphasized include: Beverages, Breakfast, Food Math, Food Preparation Skills, Fruits/Vegetables, Grain Products, Nutrient Groups, Quick Breads, Recipe/Ingredient Skills, Salads, Soups, Wellness, Kitchen Safety and Sanitation, and Budgeting for Meals.

### **EXPLORING FOODS & NUTRITION SCIENCE – COURSE 5634**

Grades: 9, 10, 11, 12

Prerequisite: None

.5 Credit

This course stresses nutrition and food skills which students can use in a variety of settings and situations.

Areas emphasized include: Carbohydrates, Fats, Protein, Digestions, Food Math, Food Preparation Techniques, Vitamins and Minerals, Regional American Foods, Kitchen Safety and Sanitation, and Meal Planning.

### **BAKING & PASTRY ARTS - COURSE 5640**

Grades 10, 11, 12

Prerequisite: Exploring Foods & Nutrition Science or Basic Foods & Nutrition Science or Lifetime Nutrition & Wellness

.5 Credit

This is an advanced foods course. Students will gain an understanding of the science of baking. Through hands-on learning, students will be able to explain how the chemical reactions and techniques impact the end product. Students will be able to prepare a wide array of baked goods, pastries and confections.

In this course, students will learn preparation techniques and principles used in baking. The seven main units include: Safety and Sanitation, Kitchen Equipment, Measuring and Ingredient Functions, Cookies, Quick Breads, Yeast Breads, Cakes, Pies and Pastry.

### **LIFETIME NUTRITION & WELLNESS – COURSE 5642**

Grades 10, 11, 12

Prerequisite: None

1 Credit

Students alternate between Family & Consumer Sciences and Physical Education for two terms. They learn to have a healthy relationship with food and prepare food for themselves and their families. Students need to analyze the health benefits of physical fitness and eating patterns. By alternating every other day, the concepts taught by one department will be reinforced by the other department. This course will emphasize good health and wellness. Students will learn the importance of working exercise into their daily routine to maintain a healthy and positive body image. Students will know how to create a balanced, healthy diet, makeover recipes, utilize MyPlate.gov., track their BMI and set fitness goals.



### **PARENTING – COURSE 5644**

Grades: 9, 10, 11, 12

Prerequisite: None

.5 Credit

This course covers the skills needed for the parenting of the infant from conception through the first year of life. Students experience important parenting skills through the use of the *Empathy Belly* and the *Real Care Dolls*.

Parenting issues addressed include;

- STIs including HIV/AIDS
- Birth Defects
- Reproduction
- Pregnancy
- Labor
- Infant Care, Infant/Child Health
- Infant CPR
- Safety
- Expense of raising a baby

### **CHILD DEVELOPMENT – COURSE 5648**

Grades: 9, 10, 11, 12

Prerequisite: None

.5 Credit

This course covers the skills needed for the parenting of the child from ages one to six. Students will interact with children from each age group as part of this course. Parenting skills are taught throughout.

Areas emphasized include: Physical, emotional, intellectual and social development of children; Roles and responsibilities of parenthood; Parenting styles; Discipline; Children's literature; and Child Safety and CPR.

### **FAMILY LIVING – COURSE 5654**

Grades: 10, 11, 12

Prerequisite: None

.5 Credit

Why do my parents drive me crazy? What's the secret to a lasting, happy marriage? How will I ever be able to pay my bills when I move out? If you've ever asked yourself questions like these, this class is for you!

Through a close investigation into who you are, and the experiences you've had, Family Living class studies skills that help to build and strengthen families. Among these are communication styles, family history and diversity investigation, family crisis and problem solving strategies, dealing with grief and loss, and the history and traditions of family life cycle events.

### **CLOTHING & TEXTILE ARTS – COURSE 5664**

Grades: 9, 10, 11, 12

Prerequisite: None (**Fee charged for each project**)

.5 Credit



In this course, students will learn how to plan and construct clothing and textile-related projects. The main units include: Tools, Equipment, Terms and Safety, Basic stitches, Sewing machine introduction, Fabric selection, Yarn projects (knitting and crochet), Laundry basics, Projects-pillow, T-shirt, hand-sewing, and student choice project.

### **INTERIOR DECORATING 1 – COURSE 5674**

Grades: 10, 11, 12  
Prerequisite: None  
.5 Credit



This course is for students interested in creating a pleasing home environment. Students will learn a variety of techniques to turn a dull room into a dynamic room! Students will work and complete their own portfolio in this class.

Areas emphasized include: Color Schemes, Decorating Ideas, Elements of Design, Furniture Styles, and Interior/Exterior House Plans.

### **INTERIOR DECORATING 2 – COURSE 5694**

Grades: 10, 11, 12  
Prerequisite: Interior Decorating 1  
.5 Credit



Students will expand on knowledge gained in Interior Decorating 1 as well as explore new housing dilemmas and decorating techniques.

Areas emphasized include: Choosing Backgrounds, Current Design Trends, Finishing Touches, Furniture Construction, Home Construction, Home Maintenance, Lighting, Planning Work Spaces, and Renting vs. Buying, Storage, and Textiles.

### **CONSUMER AWARENESS – COURSE 5684**

Grades: 10, 11, 12  
Prerequisite: None  
1 Credit

This is a course on consumerism. Students learn about consumer survival techniques needed in our world.

Areas emphasized include: Automobile Ownership, Consumer Movement, Banking Basics, Credit Use and Misuse, Financial Services, Fraud, Marketing Techniques, and Money Management.

### **RELATIONSHIPS – COURSE 5704**

Grades: 11, 12  
Prerequisite: None  
.5 Credit

This class looks at the many roles and “Relationships” that people of all ages in our society have today. Our success in life is very dependent on how we interact with our family, peers, employers, and the many number of individual relationships we encounter in daily living. Gaining an understanding of these relationships can help to better prepare students when entering life after school.

Topics covered in this class include: Abstinence, Career Preparation, Communication, Decision-making, Families, HIV, AIDS, and other STDs, Parenting, Safer Choices, Types of Relationships, Wellness Practices.

# INDUSTRIAL TECHNOLOGY DEPARTMENT

## AUTOMOTIVE TECHNOLOGY

### GENDER EQUITY

Automotive classes are available for both males and females.

### AUTOMOTIVE MAINTENANCE AND LIGHT VEHICLE REPAIR 1 – COURSE 8038

Grades 9, 10, 11, 12

Prerequisite: None

1 Credit (1 hour)



This course is designed for entry level students and will introduce students to the automobile and the automotive industry. This class is designed to provide students with the opportunity to explore the automobile's construction, operation, and maintenance. The course covers all major automotive systems and their operation. Students will combine class work, online work, and lab work to explore career opportunities in the automotive industry. This course also benefits students who are interested in learning how to maintain their own automobile. Successful completion of this course is required for advancement into additional automotive technology courses.

### AUTOMOTIVE MAINTENANCE AND LIGHT VEHICLE REPAIR 2 – COURSE 8043

Grades 10, 11 & 12

Prerequisite: Automotive MLR 1

2 Credit (2 hour block)



The Automotive MLR 2 Course is designed to provide the student seeking entry-level employment in the automotive repair and service industry with the knowledge and skills to be successful. It is designed so that this course level builds on the previous course work and covers all major automotive systems, but to greater depths of learning. This course focuses on automotive electrical, brakes and steering and suspension systems. Automotive Technology courses are designed to engage students not just in automotive competencies but also in applied academic skills and lifelong learning skills, including math, science, and communication.

**The course, when combined with Automotive MLR 1, meets the requirements for Automotive Service Excellence (ASE) Maintenance & Light Repair. This program is ASE accredited as an ASE MLR Automotive training program.**

### AUTOMOTIVE MAINTENANCE AND LIGHT VEHICLE REPAIR 3 – COURSE 8048

Grades 11 & 12

Prerequisites: Automotive MLR 2

2 Credit (2 hour block)



Automotive MLR 3 is designed so that this course level builds on previous course work and covers all major automotive systems, but to greater depths of learning. Students will combine classwork, online work, and lab work to prepare for a career in the automotive industry. Automotive Technology courses are designed to engage students not just in automotive competencies but also in applied academic skills and lifelong learning skills, including math, science, and communication.

# BROADCASTING TECHNOLOGY

## GENDER EQUITY

Radio and Television classes are available for both males and females.

## RADIO AND TELEVISION BROADCASTING FUNDAMENTALS – COURSE 8245

Grades 9, 10, 11, 12

Prerequisite: None

.5 credit



This is an introduction into two of the most powerful medias of information and the influence on its audience they create. Radio will cover how to handle being a radio DJ by doing broadcasts on our campus radio station WMLZ-LP, Z-108 (107.9 FM) along with streaming worldwide. Students will produce radio commercials, cover promotions and the history and respect for radio. FCC guidelines will be enforced. Television will cover camera work, editing, lighting and give the students a respect for TV production. The history of television and FCC guidelines will be enforced.

## RADIO AND TELEVISION PRODUCTION SKILLS 1 – COURSE 8274

Grades: 10, 11, 12

Prerequisite: Radio and Television Broadcasting Fundamentals

1 credit



Intermediate Radio and Television Production Skills 1 builds on the principles learned in Radio and Television Broadcasting Fundamentals. The class serves to allow the student to expand his or her area of expertise by offering a choice of various projects. The students will be responsible for completing their own project each term while also being involved in many team projects. The team projects will include live and taped radio broadcasts. Video streaming programs including public affairs programming, sports programming, special interest programming, Bedford High School Daily Announcements and the digital environment. Periodic class sessions will be devoted to “Current Technology and Events”. These in-class discussions and presentations will encourage students to stay alert to rapidly developing technology.

After school activities will be involved in this course.

## RADIO AND TELEVISION PRODUCTION SKILLS 2 – COURSE 8284

Grades: 11, 12

Prerequisite: Radio and Television Production Skills 1

1 Credit



This advanced-level class will operate more as a preparation for the workplace than as a traditional classroom environment. By the time students reach this class, they are expected to be proficient at operating all the equipment and software in the program. They will also be proficient at teaching others on the equipment. They will be, therefore, tasked and graded in supervisory roles. In addition, the students at this level will be required to develop, in teams, their own “programming”. The programming will be aired on the Announcements that are played back on the in-house video network and the school sponsored radio shows. Advanced subjects on news reporting, videography, editing, radio actualities, commercials, and multimedia projects will be taught as well. Daily radio shows will be produced on the campus FM radio station (WMLZ-LP, 107.9-FM)

After school activities will be involved in this course.

## ADVANCED RADIO AND TELEVISION – COURSE 8294

Grades 11, 12

Prerequisite: Radio and Television Production Skills 2.

1 Credit



This advanced-level class will operate as more of a preparation for the workplace than as a traditional classroom environment. Class projects and the full development of real-world projects will be stressed including the possibility of producing real broadcast commercials in the Toledo Market.

- School Announcements will be produced
- Employment and rules will be reviewed.
- Daily radio shows will be produced on the campus FM radio station (WMLZ-LP, 107.9-FM)
- This class will also include Talent for the Announcements for some students.

## CONSTRUCTION TECHNOLOGY

### GENDER EQUITY

Construction classes are available for both males and females.

### CONSTRUCTION FUNDAMENTALS – COURSE 8193

Grades 9, 10, 11, 12

Prerequisite: None

1 Credit



This class will allow students to prepare for a career in construction. The students will create, design, and construct selected projects while learning many basic wood skills and techniques. Emphasis is placed on shop safety and use of power equipment. Areas emphasized: layout and design, wood joints, scroll work, fasteners, finishes, hand tools, power tools, building materials, and career awareness. Students wishing to take more construction classes are required to take Construction Fundamentals.

### CONSTRUCTION 1 – COURSE 8203

Grades 10, 11, 12

Prerequisite: Construction Fundamentals

2 Credits (2 hour block)



This class will look at different trades that are involved in constructing a house. It will include surveying and foundations and students will gain experience as a carpenter constructing floors and walls. Interior finish work such as insulating, dry walling, painting and trim work will be done.

### CONSTRUCTION 2 – COURSE 8213

Grades 11, 12

Prerequisite: Construction 1

2 Credit (2 hour block)



Areas emphasized in residential construction include building ceilings, rafters, roofing, window and siding installation, and decking. Students will explore green technologies that are being incorporated into modern home building. In civil construction, students will learn about the building of roads and bridges.

### CONSTRUCTION 3 – COURSE 8223

Grade 12

Prerequisite: Construction 2

2 Credit (2 hour block)



This is an independent study class that will allow each student to pick a career pathway and explore it in greater detail. Areas of study include preconstruction residential building, civil construction, skilled trades, green technology, and heavy equipment. A variety of careers and the skills needed for those careers will be looked at. Business management skills will also be discussed.

### **CABINETMAKING 1 – COURSE 8312**

Grades: 10, 11, 12

Prerequisite: Construction Fundamentals

1 Credit

This class is designed for the student who wants to develop skills in the finish cabinetry area. Emphasis will be placed on the following: advanced design and plan development, carcass construction, advanced joinery and lathe turning. Projects include an end table, night stand and bowl.

### **CABINETMAKING 2 – COURSE 8314**

Grades 11, 12

Prerequisite: Cabinetmaking 1

1 Credit

This class is for students who wish to further their woodworking skills. Areas to be emphasized include: raised panel doors, natural and synthetic materials, and furniture joinery.

### **CABINETMAKING 3 – COURSE 8316**

Grades 12

Prerequisite: Cabinetmaking 2

1 Credit

Got sawdust for brains? Are you someone who can't get enough of woodworking? This class allows students to advance their woodworking skills. Emphasis will be placed on improving your skills and exploring new wood processes.

### **HOME MAINTENANCE – COURSE 8224**

Grades 10, 11, 12

Prerequisite: None

.5 Credit

This one semester class is designed to teach future homeowners some basic maintenance of their home. The more knowledge a homeowner has, the better he/she will be prepared to handle problems that arise in the future. Areas of study will include, but not limited to, hands-on experiences with electrical, telephone and computer cable installation, dry walling, painting, locks, hinges, deadbolts, and furniture repair.

## **DRAFTING AND DESIGN TECHNOLOGY**

### **GENDER EQUITY**

Drafting and Design classes are available for both males and females.

### **ENGINEERING & ARCHITECTURE FUNDAMENTALS – COURSE 8328**

Grades 9, 10, 11, 12

Prerequisite: None

.5 Credit



This course will introduce students to the world of engineering and architecture. Creative sketching and drawing skills will be developed. Students will learn both function and beauty of engineering and architectural features. Students will sketch single view objects, houses, floor plans including 3-dimensional drawing. The final project in this course is to form teams with the CAD Fundamentals class and delegate a design problem through print reading, design drafting, and construction of a collaborative model.

## **CAD (COMPUTER-AIDED DRAFTING) FUNDAMENTALS – COURSE 8329**

Grades 9, 10, 11, 12

Prerequisite: None

.5 Credit



This course will introduce students to CAD and its application to print reading, drafting, and features of engineering and architectural design. Students will learn basic CAD commands and functions, line types, single view, and multi-view designs, introduction to 3-dimensional design, dimensioning, managing files, printing/plotting on various drafting paper sizes. The final project in this course is to form teams with the Engineering/Architectural Fundamentals class and delegate a design problem through print reading, design drafting and construction of a collaborative team model.

## **DRAFTING/DESIGN TECHNOLOGY 1 – COURSE 8350**

Grades 10, 11, 12

Prerequisite: Engineering and Architecture Fundamentals or CAD (Computer-Aided Drafting) Fundamentals

1 Credit



This one-year course introduces students to the language and communication of engineering and architectural design. Students will interpret prints, draw mechanical engineering components, and architectural building systems. Students will draw mechanical stock items such as bearings, brackets, shafts, and other general stock items used for both engineering and architecture. Students will be introduced to structural systems, related print reading, its components displayed on working drawings, detail drawings, bill of materials, specifications, schedules, and documents. By the end of the second semester, students will interpret and draw site plans, building system design, its relationship and applications to architectural design and construction. Students interested in mechanical engineering will also practice print reading for assemblies, details, and layouts of mechanical drafting and design.

## **DRAFTING/DESIGN TECHNOLOGY 2 – COURSE 8360**

Grades 10, 11, 12

Prerequisite: Drafting/Design Technology 1

1 Credit



This course is an advanced level print reading and CAD design for architecture and engineering. The language of architectural and engineer designs are working drawings that include assembly and detail drawings. Working drawings are drawings to construct building and assemble machines. Details are individual parts that make up the complete set of working drawings. Students will interpret prints and produce working drawings with details on CAD. Working drawings and details will include both architectural and mechanical projects. Students will also create design presentations for marketing their products. Students will need to learn codes, regulations, and specifications in regard to building materials, construction, and sustainability. Students will spend time working with group projects in teams for leadership experience. Teams will work together and develop communication and cooperative skills to complete a project successfully.

## **DRAFTING/DESIGN TECHNOLOGY 3 – COURSE 8370**

Grades 11, 12

Prerequisite: Drafting/Design Technology 2

1 Credit



This course transitions previous coursework and experience to the craftsmanship product of both engineering and architecture. Students develop project planning guidelines such as client needs, timelines, alternatives, costs, and related manufacturing processes. Students will utilize their Drafting/Design Technology 1 and 2 skills. Students will apply their skills to entry level employment projects approved by the program advisory board of engineers, manufacturing professionals, parents, students, and community college professor. Projects will include structural designs, model building, mechanical designs such as robotic students designing robot parts to be made in the machine technology lab. Students will experience teamwork by working with students in other career and technical education technology courses.

## **MACHINE TECHNOLOGY**

### **GENDER EQUITY**

Machining and Welding Skilled Trades classes are available for both male and females.

### **CNC/ROBOTIC MANUFACTURING - COURSE 8005**

Grades: 9, 10, 11, 12

Prerequisite: None

.5 Credit

Are you interested in robotics? In this class we will explore the field of robotics. The many different forms of motion and controls will be explored. Many of the different software interfaces that are used in industry to control this advanced equipment along with mechanical controls such as: hydraulics, pneumatics, stops, limits switches, stepper motors, motion transfers and various other aspects of control pieces used in robotic manufacturing will be explored. Through lab project and various resources, students will gain a better understanding of the basic principles used in the CNC/Robotic field. Students will use programs such as Mastercam, to create programs for computer numerical controls, robotic languages will be covered and different forms of programming will be explored.

### **MACHINE TECHNOLOGY 1 – COURSE 8013**

Grades: 9, 10, 11, 12

Prerequisite: None

2 Credit (2 hour block)



Have you ever wondered how just about anything made of metal is produced? Then you need to be in this class. This class will introduce students to the principles of the machine industry and will interest both the hands on students along with the students that are interested in a career in engineering. The student will explore the metal working field through many hands-on projects, lecture and book work. The students will become familiar with metal saws, mills, lathes, grinders, engravers, hand tools, welding equipment and computer controlled equipment used in many modern shops. Many students are given the opportunity to co-op with local employers after taking this course. Areas emphasized include the following: Shop Safety, Precision Machining, Bench Work, Power and Hand Tools, Metal Forming, Blueprint Reading, Metal Fasteners, Applied Math.

### **MACHINE TECHNOLOGY 2 – COURSE 8023**

Grades: 10, 11, 12

Prerequisite: Machine Technology 1

2 Credit (2 hour block)



This is a more advanced course designed for students who successfully complete Machine Technology 1. Many co-op programs have been available and suggested for advanced students with instructor's approval. Mastercam software is introduced to students to design and create projects of an advanced level. Students will learn more advanced levels of tooling, fixtures and metallurgy used in industry and learn many techniques in producing metal working projects. Areas emphasized include the following: Shop Safety, Basic Metallurgy, CNC (Computer Numerical Control), and grinding, welding, and advanced individualized projects. Students may enter projects in M.I.T.E.S. competition. Students are encouraged to compete in Skills USA machining technologies competitions.

### **MACHINE TECHNOLOGY 3 – COURSE 8029**

Grades: 11, 12

Prerequisite: Machine Technology 2

2 Credit (2 hour block)



This class is for the student who is seriously thinking of a career in the engineering or machining field. Machining processes and designs are deeply explored in this class. The use of Mastercam and advanced technology used by industry will be explored and used to enable students to produce individualized projects. Students will be expected to design and produce a project, while looking at ways



in which they can improve the process of producing their project. Students will explore career goals and job skills needed for a career in industry. Job skills emphasized during this course are work ethics, hygiene of work area, proper workplace communications, resume writing and lifelong learning skills. Many students of the program at this level can be placed with employers and could get the opportunity to have full-time jobs and paid apprenticeships after high school. Many local employers seek out Bedford Machining students for these types of opportunities.

## **WELDING TECHNOLOGY**

### **WELDING FABRICATION – COURSE 8002**

Grade: 9, 10, 11, 12

Prerequisite: None

1 Credit

Students will learn about ARC welding, MIG welding, flux cored welding, TIG welding and torch welding along with soldering and brazing processes. Students will use: hand tools, metal bending fixtures, pipe benders, metal cutting saws, plasma cutters and oxy-fuel torches to form and shape metal projects. Many modern production welding practices are covered through hands-on projects, textbooks and lectures. Students will use their newly formed skills to produce projects. Students will also explore the career options for welding.

## **MATHEMATICS DEPARTMENT**

**HONORS ALGEBRA 2, HONORS GEOMETRY, HONORS PRE-CALCULUS** (See Honors Section)  
**AP CALCULUS, AP STATISTICS** (See AP Section)

### **ALGEBRA 1 – COURSE 3023**

Grades: 9, 10, 11, 12

Prerequisite: None

1 Credit

Algebra 1 is a course designed to provide the elementary foundation for higher level classes in mathematics. The student will develop the ability to reason abstractly using the following concepts: polynomials, inequalities, solving equations, linear and quadratic equations, exponents, functions, and an Introduction to Statistics.

### **GEOMETRY – COURSE 3033**

Grades: 9, 10, 11, 12

Prerequisite: Algebra 1

1 Credit

The goal of geometry is to acquaint students with basic geometric concepts as they relate to the field of mathematics. Students will be exposed to concepts in the following areas: reasoning, formal proof, area, perimeter, and volume of various geometrical shapes; the properties of circles and polygons including triangles and quadrilaterals. Students will also, develop spatial reasoning skills. Students will also develop skills with transformations and the relationship between figures.

### **ALGEBRA 2 – COURSE 3053**

Grades: 11, 12

Prerequisite: Algebra 1 and Geometry

1 Credit

This course will build on the concepts mastered in Algebra 1. The course covers functions such as linear, quadratic, radical, rational, polynomial, trigonometric, exponential and logarithmic. Students also study conic sections, inequalities, sequences, statistics and probability.

### **ALGEBRA 2 with online component– COURSE 3453**

Grades: 11, 12

Prerequisite: Algebra 1 and Geometry

1 Credit

This course follows the same curriculum as Algebra 2, but contains an online learning component designed to complement classroom activities. Students will access online course resources through the Moodle management system, allowing them to work ahead or remediate on their own as needed, within the framework of the course. The classroom environment features a “flipped” setup, where students complete lessons and note-taking using online, teacher-made videos, leaving classroom time for assignments and one-on-one assistance. This course is for responsible students looking for an individualized approach and a technology- based experience. Home computer and internet access is highly recommended; computer-based assignments outside of class will be common. **(Note: This class also qualifies for the Online Learning credit)**

### **PRE-CALCULUS – COURSE 3073**

Grades 11, 12

Prerequisite: Algebra 2 with a C or better

1 Credit

Pre-calculus is a college preparatory course presenting topics that continue the study of linear, polynomial, exponential, trigonometric, logarithmic functions, sequences and series. Additional topics

include vectors, matrices, and polar graphing. It is strongly recommended that a student enrolled in Pre-calculus have at least a C average in Algebra 2.

### **STATISTICS AND PROBABILITY – COURSE 3533**

Grades: 11, 12

Prerequisite: Algebra 1 and Geometry

1 Credit

The majority of college majors require a statistics course.

This course is designed to be an introduction to the field of statistics. Because today's technology makes statistics more accessible, it is important that students have an understanding of this subject and its many applications. This course will cover the basic concepts of statistics, including the normal curve, analyzing data with charts and graphs, elementary probability, and sampling techniques. Advanced concepts such as sampling distributions, inference, confidence intervals, and significance testing will be experienced.

### **PERSONAL FINANCE – COURSE 3543**

Grades: 11, 12

Prerequisite: Algebra 1 and Geometry

1 Credit

Personal finance is a subject that will affect all students for the rest of their lives, regardless of age, education level, or income. This course will prepare students for success in a fast paced global economy. It will teach students how to harness their spending power and plan for their future. Students will have a firm understanding of how the financial choices they make will affect their lives and the community. Personal Finance A focuses on an individual and the personal financial choices they make. Checking and saving accounts, interest rates, credit cards, loans and budgets will be addressed. In Personal Finance B, students will explore loan options including the advantages of buying versus leasing and all the costs associated with purchasing a vehicle, real estate, a home, having a mortgage, and the cost of living will be integrated into the course. Stocks, bonds, and additional investments will be explored. Health insurance options and costs will be covered. In addition to classwork students will be responsible for online learning, projects and tests.

Note: This class also qualifies for the online learning credit.

## MUSIC DEPARTMENT

### CONCERT CHOIR – COURSE 5533

Grades: 9, 10, 11, 12

Prerequisite: None

1 Credit



Each student will establish a solid and permanent relationship with a wide variety of choral music. Also each student will begin to develop the human voice and use the correct vocal techniques to produce a good choral sound. Choreography will be introduced to various choral music and show choir style songs. Students will be challenged to memorize, understand, and perform various choral pieces at the scheduled choral concerts and festivals.

Throughout the course of the year, Concert Choir will emphasize many different aspects of choral music through performing, rehearsing, singing, dancing and listening. Each student will develop the human voice, learn to sight read choral music using the solfege technique, learn to sing in front of groups of people small and large, and learn the basics of music through the choral literature. Choral literature presented will include traditional choral music, sacred, secular, popular, contemporary, Broadway, and more. In addition to rehearsals, each student is required to perform at the scheduled choral concerts. As well as performing, this is a social group with many exciting activities planned throughout the year with Varsity Choir and Soiree Singers.

### VARSAITY CHOIR – COURSE 5513

Grade: 10, 11, 12

Prerequisite: By audition

1 Credit



Each student will begin to establish a solid and permanent relationship with a wide variety of choral music. Also each student will begin to develop the human voice and use the correct vocal techniques to produce a good choral sound. Students will also be challenged to memorize, understand and perform various choral pieces at choral concerts, and choral festivals.

Varsity Choir will rehearse many different aspects of choral music through singing, performing and listening. Many different styles of music will be introduced including, traditional choral music, sacred, secular, popular, contemporary, and Broadway. Singing with the correct vocal technique, projecting the voice, learning to sight-read music using solfege and a chance to perform for a live audience are all part of this course. Varsity Choir is also a social group with many exciting activities planned throughout the year. Each student will hopefully use this course to develop his/her aesthetic potential, to create an outlet for creativity and self-expression, and to give that student a source of life-long enjoyment.

### SOIREE SINGERS – COURSE 5553

Grades: 10, 11, 12

Prerequisite: By audition

1 Credit



The Soiree Singers are the elite singers of Bedford chosen by audition. This class challenges the students with more difficult choral pieces and dance songs and a chance to sing with students of their own caliber.

The Soiree Singers' main objective is to perform and entertain as well as learn and sing advanced choral literature. Two objectives during rehearsals are to maintain vocal technique and to introduce basic dance movements. Students are encouraged to use their creativity and self-expression as they perform with the group or as soloists. Soiree performs on various occasions throughout the year as well as the scheduled choral concerts and the Annual Soiree Cabaret Show! All performances are mandatory.

### **MUSIC THEORY/HISTORY APPRECIATION – COURSE 5573**

Grades: 10, 11, 12

Prerequisite: This course is open to any student involved in the choral or band program at Bedford or who has the equivalent private study in piano, strings, or guitar. At least one year of private study is required.

1 Credit



This is a class offered to teach the basics of music theory and the progression of music through history. This course is developed mainly for students who have a strong interest in music and possibly plan to major in this area at the college level.

This course will increase knowledge and appreciation for students enrolled in performing groups in order to increase the quality of these performing ensembles. The theory aspect of the course will cover basic musical concepts, terminology, symbols, and writing of music. The history appreciation aspect will cover the basic evolution of music from the Middle Ages to the present day. Also, the class will utilize available high tech music equipment such as computers, synthesizers and recording equipment.

### **POPULAR MUSIC STUDIES – COURSE 5584**

Grades: 9, 10, 11, 12

Prerequisite: None

1 Credit



In this one term course, students will explore what makes today's music what it is. To gain insights about today's music, students will learn about early American music and progress into the music of the 90's and today. Through class instruction, readings, listening, viewing, and out of class assignments, students will learn the basic principles of the variety of musical styles that make up American popular music.

### **JAZZ BAND – COURSE 5443**

Grades: 9, 10, 11, 12

Prerequisite: By audition, membership in Varsity or Symphonic Band

1 Credit



Students will broaden their musical skills and knowledge through the study of and performance of jazz. Students will learn the styles, performance techniques, theory, and history of music through performance, lecture, and listening to representative performances of each style.

Jazz Ensemble is an active performance group. Students will be expected to perform at many as ten times per year outside the school day.

### **VARSITY BAND – COURSE 5463**

Grades: 9, 10, 11, 12

Prerequisite: Prior participation in a beginning/intermediate band program

1 Credit



Intermediate instrumental students in this class will broaden their musical skills and knowledge through the study and performance of selected compositions. Students will learn the styles, performance techniques, theory, and history of music through performance, lecture and listening to representative performances of several styles and works. Students will become more competent and knowledgeable performers and will gain a richer appreciation and understanding of music. Individual evaluation will be by solo performance, observed class performance/participation, and written test. Students will be required to perform in public both at home and out-of-town during the year.

### **SYMPHONIC BAND – COURSE 5423**

Grades: 9, 10, 11, 12

Prerequisite: By audition

1 Credit



Advanced instrumental students selected for this class will broaden their musical skills and knowledge through the study and performance of selected compositions. Students will learn the styles, performance techniques, theory, and history of music as well as reviewing the basic literature for band through performance, lecture, and listening to representative performances of several styles and works. Students will become competent and knowledgeable performers and will gain a richer appreciation and understanding of music. Individual evaluation will be by solo performance, observed class performance/participation, and written test. Students will be required to participate in performances locally and out-of-town during the year.

Symphonic Band is a premiere instrumental ensemble of Bedford High School so students should expect to have more performance responsibilities and opportunities than students in other large ensembles.

### **SYMPHONY ORCHESTRA – COURSE 5413**

Grades: 9, 10, 11, 12

Prerequisite: Demonstrate interest and attitude to be a positive member of this ensemble

1 Credit



This course is for the student who wishes or may need to refine playing skills such as scales, tone, intonation or ensemble playing. Participants will be exposed to both string and full orchestra repertoire through performances, lecture, and listening to representative performances in a variety of musical periods. Concerts and programs will reinforce skills developed in rehearsal. They will serve as motivation to perfect those skills and increase the student's depth of understanding.

Evaluation is based on individual assignments, both written and played, as well as participation in class and concerts.

Due to the nature of the subject and class, students will be required to participate in day and evening performances locally and out-of-town during the year. There may also be some after school section and orchestra rehearsals

### **CHAMBER ORCHESTRA – COURSE 5418**

Grades: 9, 10, 11, 12

Prerequisite: By audition and demonstrate interest and attitude to be a positive member of this ensemble.

1 Credit



This course is for the advanced student who wishes to study high-level scales, etudes and orchestral literature. Participants will be exposed to both string and full orchestra repertoire through performances, lecture, and listening to representative performances in a variety of musical periods. Concerts and programs will reinforce skills developed in rehearsal. They will serve as motivation to perfect those skills and increase the student's depth of understanding.

Evaluation is based on individual assignments, both written and played, as well as participation in class and concerts.

Due to the nature of the subject and class, students will be required to participate in day and evening performances locally and out-of-town during the year. There may also be some after school section and orchestra rehearsals.

## THEATRE/STAGECRAFT – COURSE 5594

Grades: 9, 10, 11, 12

Prerequisite: None

.5 Credit



Stagecraft and Design will introduce to the student, both novice and experienced, a practical approach to the technical and production aspects of musical theatre and drama. Students will learn the skills needed to construct scenery, hang and focus lighting instruments, implement a sound system for effects and reinforcement, and scenic artistry, all in a variety of techniques. In conjunction with the Music and Drama Departments, some students will take an active role in each of the major productions and concerts at BHS. Additionally, students will be introduced to theatrical design, and will be given an opportunity to draft their own designs for scenery and/or lighting of a theatrical production.

This class will cover the basic skills of stagecraft and an introduction to theatre. Theatre/StageCraft will be a specialized class for students who wish to learn basic technological aspects applied to the auditorium. Students will learn, **lighting, audio, design, media, scenic construction, props, stage management** and applied techniques used in a variety of productions and concerts. Theatre aspects will be incorporated into the class with students learning and acting out scenes and songs from various dramas and musicals. Students will have an increased understanding of how theatre has evolved. The student shall possess a basic knowledge of the theory and production of theatre, therefore allowing for a more critical awareness toward any theatrical production they may encounter in the future.

## **PHYSICAL EDUCATION / HEALTH DEPARTMENT**

**All Physical Education classes are participation classes. Daily participation and appropriate dress are required from all students.**

### **PE 1 FRESHMEN – COURSE 6024**

Grade: 9

Prerequisite: None

.5 Credit

This class provides a variety of social, emotional and physical learning opportunities for the student. Beginner weight room instruction, an individualized fitness program and activities based on various team and individual sports will be provided. Fitness, Sportsmanship and Teamwork will be emphasized. Students will be assessed through pre and post fitness testing (The President's Challenge), class participation, written work, and a final exam.

### **PE2 - TEAM SPORTS – COURSE 6034**

Grades: 10, 11, 12

Prerequisite: PE 1

.5 Credit

This course is designed for those students who have mastered the basic skills and wish to pursue vigorous team activities. A variety of team sports will be offered such as flag or touch football, soccer, basketball, speedball, volleyball and ultimate Frisbee. Extended units of certain activities may be offered depending on class size, make-up and interest. Students will be assessed based on class participation, ability to work with a team, fitness development through the sports activities, written work, and a final exam. \*This class may be repeated for additional credit with instructor approval.

### **PE3 - FITNESS– COURSE 6044**

Grades: 10, 11, 12

Prerequisite: PE 1

.5 Credit

This course is designed for the student that is interested in working on improving their fitness through non-sports activities. Various strength training techniques, aerobics, cardio kickboxing, Pilates, yoga, etc. will be used to develop strength, cardiovascular fitness, flexibility and endurance. Class participation, pre and post fitness testing, written work and a final exam will make up your grade for the class. \*This class may be repeated for additional credit with instructor approval.

### **PE4 – INDIVIDUAL SPORTS – COURSE 6054**

Grades: 10, 11, 12

Prerequisite: PE 1

.5 Credit

As the name implies, this class is geared toward more individual activities: tennis, pickleball, badminton, and others, and developing the skills and strategies that go along with them. Class participation, pre and post fitness testing, written work and a final exam will determine class grade. \*This class may be repeated for additional credit with instructor approval.

### **AQUATICS – COURSE 6055**

Grades: 10, 11, 12

Prerequisite: PE 1 **AND** students must pass a basic swim test before the first day of class.

.5 Credit

This course is geared toward intermediate level swimmers who are interested in mastering swimming strokes, improving strength and endurance through swimming, and water safety techniques. Participants must be prepared to swim every day. Classes will be held at the Francis Family YMCA; students will be required to travel by foot on the walking trail to the YMCA or have parental approval to drive their own



vehicle to the YMCA. Students will be assessed each day on class participation, fitness improvement through aquatic education, written work, and a course exam. The basic swim test will be scheduled to take place in April / May after school at the YMCA, students that register for this course will be notified of the specific date. \*This class may be repeated for additional credit with instructor approval.

### **HEALTH – COURSE 6064**

Grades: 9, 10, 11, 12

Prerequisite: None

.5 Credit

Health meets five days per week for one semester. The units presented include: health decision-making; physical activity for life; nutritional choices; personal hygiene; analyses of various body systems; avoiding the use of alcohol, tobacco, and illegal drugs; and AIDS/STD prevention. Boater Safety may also be presented.

### **LIFETIME NUTRITION & WELLNESS – COURSE 5642**

Grades 10, 11, 12

Prerequisite: None

1 Credit

Students alternate between Family & Consumer Sciences and Physical Education for two terms. They learn to have a healthy relationship with food and prepare food for themselves and their families. Students need to analyze the health benefits of physical fitness and eating patterns. By alternating every other day, the concepts taught by one department will be reinforced by the other department. This course will emphasize good health and wellness. Students will learn the importance of working exercise into their daily routine to maintain a healthy and positive body image. Students will know how to create a balanced, healthy diet, makeover recipes, utilize MyPlate.gov., track their BMI and set fitness goals.

## SCIENCE DEPARTMENT

**HONORS CHEMISTRY** (See Honors Section) - **AP BIOLOGY** (See AP Section) -  
**HONORS PHYSICS** (See Honors Section)

### **FOUNDATIONS IN PHYSICS – COURSE 2013**

Grades: 9  
Prerequisite: None  
1 Credit

This ninth grade science course exposes students to concepts required by the State of Michigan in the area of physics. Basic science lab skills will also be introduced. Students will be expected to actively participate in a variety of science and laboratory activities.

### **LIFE SCIENCE – COURSE 2153**

Grades: 10  
Prerequisite: Foundations in Physics  
1 Credit

Students enrolled in Life Science will study biochemistry, cell biology, genetics, evolution, ecology, and taxonomy. The concepts covered in this course meet the benchmarks required by the State of Michigan for Biology.

*This course does not meet the NCAA requirements for biology.*

### **BIOLOGY – COURSE 2023**

Grades: 10  
Prerequisite: Completion of Foundations in Physics with a C or better  
1 Credit

Students enrolled in biology will be exposed to biochemistry, cell biology, genetics, evolution, ecology, and taxonomy. Dissections of preserved specimens will occur, along with other laboratory activities. Biology is designed for students with an interest in pursuing further study in the field of science. The concepts covered in biology meet the benchmarks required by the State of Michigan. College bound students should consider Biology before Life Science. *Students that have received credit in Life Science cannot receive credit in Biology.*

### **ANATOMY AND PHYSIOLOGY – COURSE 2043**

Grades: 11, 12  
Prerequisite: Biology – Strongly recommended completion of Biology with at least a B or completion of Life Science with an A.  
1 Credit

**This class will be directed toward students with a serious interest in the health-related fields and requires serious study habits for successful completion.** Students enrolled in this class will study the anatomy and physiology of the human body using a body systems approach. The course will involve in-depth analysis of the skeletal, muscular, nervous, digestive, circulatory, reproductive, and respiratory systems. Lab activities will supplement class lectures and may include dissection and skeletal reconstruction.

### **ENVIRONMENTAL SCIENCE – COURSE 2053**

Grades: 11, 12  
Prerequisite: Life Science or Biology  
1 Credit

Environmental Science is the study of the relationships that exist between organisms and the environment. An emphasis will be placed on the effects of human activity on the environment. Students enrolled in this class will learn basic ecological concepts. Instruction will involve lecture, media

presentations, outdoor field exercises, library research, organism identification, and various class projects. Daily participation in class activities and interest in nature are required.

### **CHEMISTRY – COURSE 2073**

Grades: 11, 12

Prerequisite: Concurrently taking or having completed Algebra 2

1 Credit

Students enrolled in this class will learn basic chemical principles dealing with the atom, chemical reactivity, the periodic table, and practical applications of chemistry. The information will be transmitted by lectures, media presentations, and laboratory exercises. Regular tests, lab reports and quizzes will form the basis for grade evaluations.

### **KINESIOLOGY – COURSE 2195**

Grades: 11, 12

Prerequisites: Biology

.5 Credit

Kinesiology is a one-semester elective science course. This class will study the effects of exercise on the human body and how it moves. The lab activities will require active participation where students will need to dress appropriately. Principles of biomechanics and exercise physiology will also be included. The units covered in the course will include an in depth study of the muscular, the respiratory, and the cardiovascular systems. Other units covered will include sports nutrition, energy utilization, exercise technique, aerobic respiration, anaerobic respiration, athletic training, and exercise with regards to age.

## **SOCIAL STUDIES DEPARTMENT**

**AP U.S. HISTORY AND GEOGRAPHY, AP WORLD HISTORY AND GEOGRAPHY, AND AP GOVERNMENT AND POLITICS, (See AP section)**

### **U.S. HISTORY AND GEOGRAPHY – COURSE 1033**

Grades: 10

Prerequisite: None

1 Credit

Students will study the following history themes: 1) Change and Continuity in American Society, 2) The Gathering and Interactions of Peoples, Cultures, and Ideas, 3) Economic and Technological Changes and Their Relationship to Society, Cultures, and Ideas, and the Environment, and 4) The Changing Role of America in the World. Also, the following geography themes: 1) Space and Place, 2) Environment and Society, 3) Special Dynamics and Connections, and 4) U.S./Global Issues and Events. Semester one will include 1870-1930 (Development of Industrial, Urban, and Global United States) and 1920-1940 (Great Depression). Semester two will include 1940-1945 (World War II), 1945-1989 (Post-World War II United States), and 1990-present (America in a New Global Age).

### **LAW AND SOCIETY – COURSE 1014**

Grades: 9, 10, 11, 12

Prerequisite: U.S. History and Geography is recommended for success in this class.

.5 Credit

Students learn how the American judicial system is organized at the national, state, and local level. Analysis of actual court cases, emphasizing legal concepts, personal rights, and law enforcement are presented. Role-playing and in-depth discussions are an important part of the class.

### **CURRENT EVENTS – COURSE 1104**

Grades: 9, 10, 11, 12

Prerequisite: None

.5 Credit

Students study current events as they unfold to determine the effects on the world, in general, and America, in particular. A variety of media are used, including newspapers, news magazines, video, and the internet. Class discussions are an important part of this class. Presentations to the class will be made.

### **PSYCHOLOGY OF THE MIND AND BODY – COURSE 1111**

Grades: 9, 10, 11, 12

Prerequisite: None

.5 Credit

This class examines the history of psychology, sensation & perception, brain organization, learning, memory, and consciousness. Classroom discussions and experiments complement audiovisual presentations in this class.

### **ABNORMAL AND DEVELOPMENTAL PSYCHOLOGY – COURSE 1122**

Grades: 9, 10, 11, 12

Prerequisite: None

.5 Credit

This class explores developmental psychology, abnormal psychology, therapy methods, and social psychology. The ethics of psychological research are also explored. A variety of participatory experiences complement the audiovisual presentations and readings used in this class.

**SOCIOLOGY – COURSE 1134**

Grades: 9, 10, 11, 12

Prerequisite: None

.5 Credit

Students learn about human social groups and how they function. They are introduced to various cultures and customs, collective (group) behaviors, and social institutions. Students participate in group activities, communicating their viewpoints on topics presented in their text.

**ECONOMICS – COURSE 1144**

Grade: 12

Prerequisite: None

.5 Credit

Students study the basic principles of the American economic system. They focus on consumerism, the interplay between business and the market, and the role of government regulation of the economy. Interpretation of charts, graphs, and tables occurs. (This class is required for 12th graders.)

**CIVICS – COURSE 1164**

Grade: 12

Prerequisite: None

.5 Credit

Civics will teach students the complex workings of the American Government. It will have a heavy focus on the Constitution and how it guides our everyday lives. By tracing the US Constitution from its origins to the present, everyone will be able to find their role in American politics. Students will investigate the interworking of the US government and its ever-changing role in world affairs. Through exploration of the election process, state and local governments and public policy students will discover how to become a better citizen, insuring the well-being of the nation as well as themselves.

**WORLD HISTORY AND GEOGRAPHY – COURSE 1184**

Grade: 11

Prerequisite: None

1 Credit

World History and Geography is a course where students will learn about the human experience over time and space. They will encounter powerful and conflicting ideas while studying about people and events in different places and time periods. Students will investigate our diverse and common traditions, and work to understand the complex interactions among various environmental, human and social forces that has influenced and continue to influence the United States. The time line ranges from the beginning of time to current global issues. Systems of human organization, world religions, and the rise and fall of major empires are some of the topics discussed.

**WORLD STUDIES – COURSE 1194**

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Credit

This course takes the economical, historical, and political knowledge that students gained as underclassmen and applies that knowledge to regions outside of the United States. Physical landform regions, culture, religion, current events, modern history, natural resources, environmental issues, political issues, underdeveloped countries, interdependency, revolution, and technology are some of the major concepts that will be covered.

This course will give students the opportunity to learn about other cultures including a deeper look at our own culture. Ideally students will develop sensitivity to and an appreciation for the multicultural diversity of the world. This course will serve as a bridge to the AP courses within the social studies department.

## **STUDENT LEADERSHIP – COURSE 1214**

Grades: 9, 10, 11, 12

Prerequisite: Interested students must have a minimum 2.0 GPA and must not have violated the attendance policy as verified by counselor's signature.

.5 Credit

Students demonstrate leadership principles in practical situations. Projects employing management skills, organizational abilities, targeted communications, and peer motivation occur. Some activities require after-class work sessions. **Enrollment in this class is very limited; students may only take this class one time.**

## **WORLD LANGUAGE DEPARTMENT**

**Two credits of the same world language course is a graduation requirement by the State of Michigan.**

### **CONVERSATIONAL FRENCH – COURSE 4044**

Grades: 9, 10, 11, 12

Prerequisite: None

.5 Credit

Students in this course will learn everyday French phrases and expressions taught orally through mimicry, commands, and storytelling. There will be minimal focus on grammar and composition, so the course will not meet the world language requirement for graduation. Open to any student.

### **FRENCH 1– COURSE 4013**

Grades: 9, 10, 11, 12

Prerequisite: None

1 Credit

Students taking this course will acquire the basic language skills (listening, speaking, reading, and writing) in the target language. Instruction will be via dramatic and tape presentations, written exercises, oral drills, basic reading, audio visual aids and games. The students will gain an insight into the culture of French speaking countries through various activities including films, music, and experiences with foreign cuisine.

### **FRENCH 2 – COURSE 4023**

Grades: 10, 11, 12

Prerequisite: French 1

1 Credit

Students taking French 2 will further develop and improve the language skills of listening, speaking, reading, and writing through intensified grammar study and wider experiences in writing and verbalization. Readings will be selected from more advanced material. Students will participate in activities designed to promote cultural awareness.

### **FRENCH 3 – COURSE 4033**

Grades: 11, 12

Prerequisite: French 2

1 Credit

Students in the third-year language classes will expand and develop their target language vocabulary through short readings, story-telling, and oral comprehension activities. Refinement of previously learned grammar will continue with wider practice, and new grammar concepts will be taught with emphasis on real-life situational use. Cultural experiences will enhance understanding of language and beginning literature. A third or fourth year of world language is strongly recommended for students planning to attend selective colleges or universities.

### **FRENCH 4– COURSE 4043**

Grade: 12

Prerequisite: French 3

1 Credit

This course is the preparation for studying French at the college level. The grammar, writing, literature, comprehension, and speaking components will be those that prepare the students for college placement tests. Students will read short stories, French novels, plays, and write full-length essays. The teacher will conduct the class entirely in the target language, and students will be expected to communicate entirely in the target language.

**SPANISH 1 – COURSE 4093**

Grades: 9, 10, 11, 12

Prerequisite: None

1 Credit

Students taking this course will acquire the basic language skills (listening, speaking, reading, and writing) in the target language. Instruction will be via tape presentations, oral drills, written exercises, basic readings, audio visual aids, and games. The students will gain an insight into the culture of Spanish speaking countries through various activities including films, music, and experiences with foreign cuisine.

**SPANISH 2 – COURSE 4103**

Grades: 9, 10, 11, 12

Prerequisite: Spanish 1

1 Credit

Students taking Spanish 2 will further develop and improve the language skills of listening, speaking, reading, and writing through **intensified grammar study** and wider experiences in writing and verbalization. Readings will be selected from more advanced material. Students will participate in activities designed to promote cultural awareness.

**SPANISH 3 – COURSE 4113**

Grades: 9, 10, 11, 12

Prerequisite: Spanish 2

1 Credit

Students in the third-year language classes will expand and develop their target language vocabulary through short readings, story-telling, and oral comprehension activities. Refinement of previously learned grammar will continue with wider practice, and new grammar concepts will be taught with emphasis on real-life situational use. Cultural experiences will enhance understanding of language and beginning literature. A third or fourth year of world language is recommended for students planning to attend selective colleges or universities.

**SPANISH 4 – COURSE 4133**

Grades: 10, 11, 12

Prerequisite: Spanish 3

1 Credit

This course is the preparation for studying Spanish at the college level. Emphasis will be placed on refining understanding and usage of grammar in order to do well on college placement tests, and reading comprehension and essay composition for work at the college level. Students will read short stories, Spanish novellas, plays, and will write full length essays.

**SPANISH 5 – CULTURE AND CONVERSATION – COURSE 4203**

Grades: 11, 12

Prerequisite: Spanish 4

1 Credit

This course will cover conversational Spanish and the cultures of Spanish-speaking countries. Conversation and class instruction will primarily be in Spanish. There will be a focus on Hispanic influence in the United States, American influence in Spanish-speaking countries, modern (“pop”) culture, and current events (and how they relate to a specific country’s history) using various types of mediums. There will be less focus on grammar and more on communication.

**JAPANESE 1,2,3,4**

See Extended and Off Campus Section for additional information regarding these classes.



# **SPECIAL EDUCATION DEPARTMENT**

## **GRADUATION REQUIREMENTS**

It is understood that some special needs students may not be able to fulfill graduation requirements within the traditional time structure of four years. Consequently, because the graduation of handicapped students constitutes a change of education status, an Individual Education Planning Committee (IEPC) must determine that graduation requirements, in conjunction with School Board policy, have been met.

### **RR ENGLISH 9 – COURSE 7013**

Grades: 9

Prerequisite: Individualized Educational Plan (IEP)

1 Credit

This class integrates reading, writing, listening, and speaking to increase literacy in its approach to language arts instruction. Freshmen will read books from several genres and time periods, in addition to the Holt Rinehart Winston anthology, to increase their understanding of literature, especially through the study of literary elements. They will engage in writing-to-learn activities and write processed compositions, including a research project, to improve the clarity, logic, and vitality of their writing. Grammar study will review the basic parts of speech as well as phrases and clauses.

### **RR ENGLISH 10 – COURSE 7023**

Grade: 10

Prerequisite: English 9 and an Individualized Educational Plan (IEP)

1 Credit

This class integrates reading, writing, listening, and speaking to increase literacy in its approach to language arts instruction. Sophomores will read books from several genres and time periods in addition to the Holt Rinehart Winston anthology to increase their understanding of literature, especially through the study of literary elements. They will engage in writing-to-learn activities and write processed compositions, including a research paper, to improve the clarity, logic, and vitality of their writing. Grammar and vocabulary developments are integral parts of the curriculum.

### **RR ENGLISH 11 – COURSE 7033**

Grade: 11

Prerequisite: English 10 and an Individualized Educational Plan (IEP)

1 Credit

This class integrates reading, writing, listening, and speaking in its approach to language arts instruction. Students will read a variety of literature in various genres to increase their understanding of literature, especially through their study of literary elements. They will engage in writing-to-learn activities, writing a minimum of two processed essays per term. Grammar and writing conventions will be taught.

### **RR ENGLISH 12 – COURSE 7043**

Grade: 12

Prerequisite: English 11 and an Individualized Educational Plan (IEP)

1 Credit

This course offers students the opportunity to sharpen their writing and speaking skills to prepare them for the workforce and postsecondary education. Students will read a variety of novels, plays, short stories, poems, and nonfiction. Various writing assignments will enhance this class, and students will be required to write a processed research paper. Grammar and writing conventions will be taught.

**RR ALGEBRA 1 – COURSE 6823**

Grades: 9, 10, 11, 12

Prerequisite: Individualized Educational Plan (IEP)

1 Credit

RR Algebra 1 is a course designed to provide the elementary foundation for higher level classes in mathematics. The student will develop the ability to reason abstractly using the following concepts: polynomials, inequalities, solving equations, linear and quadratic equations, exponents, introduction to statistics.

**RR GEOMETRY A – COURSE 6833**

Grade: 10, 11, 12

Prerequisite: Algebra 1 and an Individualized Education Plan (IEP)

1 Credit

The goal of geometry is to acquaint students with basic geometric concepts as they relate to the field of mathematics. Students will be exposed to concepts in the following areas: reasoning, formal proof area, perimeter, and volume of various geometrical shapes, the properties of circles and polygons including triangles and quadrilaterals. Students will also develop spatial reasoning skills, learn about transformations and the relationship between transformed figures.

**RR ALGEBRA 2 – COURSE 6844**

Grades: 11, 12

Prerequisite: Algebra 1, Geometry, and an Individualized Educational Plan (IEP)

1 Credit

This course will build on the concepts mastered in Algebra 1. The course is to help students who struggle with math and need to move at a slower pace. The course covers topics such as linear, quadratic, rational, polynomial, trigonometric, exponential and logarithmic functions in addition to inequalities, sequences, and probability.

**RR PERSONAL FINANCE – COURSE 6853**

Grades: 11, 12

Prerequisite: Algebra 1, Geometry, and an Individualized Educational Plan (IEP)

1 Credit

Personal finance is a subject that will affect all students for the rest of their lives, regardless of age, education level, or income. This course will prepare students for success in a fast paced global economy. It will teach students how to harness their spending power and plan for their future. Students will have a firm understanding of how the financial choices they make will affect their lives and the community. Personal Finance A focuses on an individual and the personal financial choices they make. Checking and saving accounts, interest rates, credit cards, loans and budgets will be addressed. In Personal Finance B, students will explore loan options including the advantages of buying versus leasing and all the costs associated with purchasing a vehicle, real estate, a home, having a mortgage, and the cost of living will be integrated into the course. Stocks, bonds, and additional investments will be explored. Health insurance options and costs will be covered. In addition to classwork students will be responsible for online learning, projects and tests.

**RR FOUNDATION IN PHYSICS– COURSE 6773**

Grade: 9

Prerequisite: Individualized Educational Plan (IEP)

1 Credit

This course is designed to meet the individual needs of each student. Students enrolled in this class will learn about basic physical science concepts. This course is designed to prepare the student for success when taking the State mandated tests and for any other future study of high school science courses. Students will demonstrate knowledge of concepts through the use of multi-media materials, reading and writing skills, as well as by observing, participating, and conducting simple lab experiments and activities. The grading scale will be according to the student handbook and will include assignments, homework, labs, projects, quizzes, tests, and an end-of-term final exam.

**RR LIFE SCIENCE – COURSE 6813**

Grades: 10, 11, 12

Prerequisite: Individualized Educational Plan (IEP)

1 Credit

This course is designed to meet the individual needs of each student. Students enrolled in this class will learn about basic biological concepts. This course is designed to prepare the student for success when taking the State mandated test. Students will demonstrate knowledge of concepts through the use of multi-media materials, reading and writing skills, as well as, by observing, participating, and conducting simple lab experiments and activities. The grading scale will be according to the student handbook and will include assignments, homework, labs, projects, quizzes, test, and an end-of-term final exam.

**RR STUDY SKILLS – COURSE 7183**

Grades: 9, 10, 11, 12

Prerequisite: Individualized Educational Plan (IEP)

1 Credit

Study Skills is a course designed for students in need of structure, help with specific study skills, and a supervised study environment. Students can elect this class only with the approval of the special education department or the high school administration.

**RR U.S. HISTORY AND GEOGRAPHY – COURSE 7153**

Grades: 10, 11, 12

Prerequisite: Individualized Educational Plan (IEP)

1 Credit

Students will study the following history themes: 1) Change and Continuity in American Society, 2) The Gathering and Interactions of Peoples, Cultures, and Ideas, 3) Economic and Technological Changes and Their Relationship to Society, Cultures, and Ideas, and the Environment, and 4) The Changing Role of America in the World. Also, the following geography themes: 1) Space and Place, 2) Environment and Society, 3) Special Dynamics and Connections, and 4) U.S./Global Issues and Events. Term “A” will include 1870-1930 (Development of Industrial, Urban, and Global United States) and 1920-1940 (Great Depression). Term “B” will include 1940-1945 (World War II), 1945-1989 (Post-World War II United States), and 1990-present (America in a New Global Age).

### **RR WORLD HISTORY AND GEOGRAPHY– COURSE 7157**

Grade: 11, 12

Prerequisite: Individualized Educational Plan (IEP)

1 Credit

World History and Geography is a course where students will learn about the human experience over time and space. They will encounter powerful and conflicting ideas while studying about people and events in different places and time periods. Students will investigate our diverse and common traditions, and work to understand the complex interactions among various environmental, human and social forces that has influenced and continue to influence the United States. The time line ranges from the beginning of time to current global issues. Systems of human organization, world religions, and the rise and fall of major empires are some of the topics discussed.

### **RR ECONOMICS – COURSE 7164**

Grade 12

Prerequisite: Individualized Education Plan (IEP)

.5 Credit

Students study the basic principles of the American economic system. They focus on consumerism, interplay between business and the market, and the role of government regulation of the economy. Interpretation of charts, graphs, and tables is included.

### **RR CIVICS – COURSE 7165**

Grade: 12

Prerequisite: Individualized Education Plan

.5 Credit

Civics will teach students the complex workings of the American Government. It will have a heavy focus on the Constitution and how it guides our everyday lives. By tracing the US Constitution from its origins to the present, everyone will be able to find their role in American politics. Students will investigate the interworking of the US government and its ever-changing role in world affairs. Through exploration of the election process, state and local governments and public policy students will discover how to become a better citizen, insuring the well-being of the nation as well as themselves.

**Several Co-Taught Courses may also be available. Please check with the student's case manager.**

## HONORS PROGRAM

Bedford High School offers several opportunities for students with interests and aptitudes in specific academic areas.

Honors courses offered are: Geometry, Algebra 2, Pre-Calculus, English 9, 10, and 11, Chemistry, and Physics.

### Admissions to Honors Program

1. **Required** – Parent Signature
2. **Required** – Teacher Signature
3. One of the following required:  
Cumulative GPA (minimum 3.0)  
Subject GPA (minimum 3.0)

Students will be expected to complete pre-assigned reading and writing assignments prior to the first class meeting (summer work) in some courses. Students who do not complete the summer work will start the first quarter with zeros on those assignments. A change of a student's schedule will not be the result for failure to complete summer work.

Students enrolled in these courses should expect a more rigorous curriculum including term papers and other special projects that are beyond the general level course requirements. The grading scale is same as all other classes at Bedford High School.

Other considerations with Honors courses are:

1. Students enrolled in these offerings should review their own schedule relative to its degree of difficulty.
2. Bedford High School does not recommend an excessive number of Honors or AP classes in one academic school year.
3. Students must complete the criteria outlined for admission to honors courses, as well as completion of pre-assigned reading and writing assignments prior to the first class meeting.

Note: Students that have registered and have been accepted into any Honors course will be expected to make a commitment to the course and **will not be allowed to drop or change their request of an Honors course once their registration card has been collected.** No exceptions.

## ENGLISH

### **HONORS ENGLISH 9 – COURSE 0133**

Grade: 9

Prerequisite: Admission to Honors Program

1 Credit

This course in literature and composition engages students in the careful reading and critical analysis of imaginative literature from several genres and time periods. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes, as well as such smaller-scale elements as the uses of figurative language, imagery, symbolism, and tone. Attention will be given to English usage and grammar. This is a feeder course for AP English and typically has summer work.

### **HONORS ENGLISH 10 – COURSE 0163**

Grade: 10

Prerequisite: English 9 and admission to Honors Program

1 Credit

This course in literature and composition engages students in the careful reading and critical analysis of imaginative literature from several genres and time periods. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their reading. As they read, students consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Attention will be given to English usage and grammar. This is a feeder course for AP English and typically has summer work.

### **HONORS ENGLISH 11 – COURSE 0193**

Grade 11

Prerequisite: English 10 and admission to Honors Program

1 Credit

This course in Literature and Composition engages students in the careful reading and critical analysis of imaginative American literature from several genres and time periods. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Attention will be given to English usage and grammar. This is a feeder course for AP English and typically has summer work.

## **MATHEMATICS**

### **HONORS GEOMETRY – COURSE 3043**

Grades: 9, 10, 11, 12

Prerequisite: Algebra 1 and admission to the Honors Program

1 Credit

The Honors section will cover all the concepts spelled out in the course of study of regular geometry, but at a more accelerated pace. Use of the discovery method will be emphasized as well as supplementary materials that nurture the precocious math student. The spatial relation skill as it pertains to geometry will be stressed as a critical factor in comprehending the enriched topics.

### **HONORS ALGEBRA 2 – COURSE 3063**

Grades: 10, 11, 12

Prerequisite: Algebra 1 and Geometry plus admission to the Honors Program

1 Credit

The Honors section will include all concepts covered in regular Algebra 2. Moving at a faster pace will allow students to utilize the discovery method and expose them to more rigorous tests. Enrichment topics such as beginning microcomputer programming, probability, sequences and statistics are also important aspects of the Honors classes.

### **HONORS PRE-CALCULUS – COURSE 3083**

Grades: 11, 12

Prerequisite: Algebra 2 and admission to the Honors Program

1 Credit

The Honors section will include those topics listed in the course study of pre-calculus plus others such as: vectors in physics, polar coordinates, complex numbers in polar form, and other concepts that would be considered enrichment.

## **SCIENCE**

### **HONORS CHEMISTRY – COURSE 2083**

Grades: 12

Prerequisite: Chemistry and admission to the Honors Program

1 Credit

Students enrolled in this class will continue their study of chemical principles learned in Chemistry. The pace of the class and the depth of topic presentations will be similar to that of an introductory college chemistry course. Class lectures, laboratory exercises, and media presentations will form the heart of the class. Daily homework assignments (which require nightly reading of the textbook) will be added to tests and lab reports to determine the student's grade.

### **HONORS PHYSICS – COURSE 2093**

Grades: 11, 12

Prerequisites: Algebra 2

1 Credit

Physics has been designed as a course to prepare student for the future study of science and engineering. This course is an algebra-trigonometry based physics course. Physics will include both concepts and applications of formulas. Labs will be integral to the understanding of the concepts of this course. Information will be taught through lectures, media presentations, and lab exercises. Regular tests, homework, and lab reports will be the basis for grade evaluation. The rigor of this class is on the level with an honors level course.

## ADVANCED PLACEMENT PROGRAM

Bedford High School offers students an opportunity to receive college credit through the College Board program entitled Advanced Placement for College Credit. Advanced Placement offerings at Bedford cover a definitive curriculum outlined by the College Board. To receive college credit, students will sign up in the spring for a standardized test that they will take for a fee during the month of May. For additional information, see your counselor.

AP courses offered are: AP U.S. History and Geography, AP World History and Geography, AP Government and Politics, AP English, AP Biology, AP Calculus, and AP Statistics.

### Admissions to AP Program

1. **Required** – Parent Signature
2. **Required** – Teacher Signature
3. One of the following required:  
Cumulative GPA (minimum 3.0)  
Subject GPA (minimum 3.0)

Students will be expected to complete pre-assigned reading and writing assignments prior to the first class meeting (summer work) in some courses. Students who do not complete the summer work will start the first quarter with zeros on those assignments. A change of a student's schedule will not be the result for failure to complete summer work.

Students enrolled in these courses should expect a more rigorous curriculum including term papers and other special projects that are beyond the general level course requirements. The grading scale is same as all other classes at Bedford High School.

Other considerations with AP courses are:

1. Students enrolled in these offerings should review their own schedule relative to its degree of difficulty.
2. Bedford High School does not recommend an excessive number of AP classes in one academic school year.
3. Students must complete the criteria outlined for admission to AP courses, as well as completion of pre-assigned reading and writing assignments prior to the first class meeting.

Note: Students that have registered and have been accepted into any AP courses will be expected to make a commitment to the course and **will not be allowed to drop or change their request of an AP course once their registration card has been collected.** No exceptions.



## **ENGLISH**

### **AP COLLEGE ENGLISH – COURSE 0243**

Grade: 12

Prerequisite: English 11 and admissions to the AP Program

1 Credit

This advanced placement course in literature and composition engages students in the careful reading and critical analysis of imaginative literature from several genres and time periods. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Careful attention to both textual detail and historical context provide a foundation for interpretation. Academic rhetoric will be expected for all formal essays. This class prepares students to take the AP Literature and Composition Examination. This course typically has summer work.

## **MATHEMATICS**

### **AP CALCULUS – COURSE 3093**

Grades: 11, 12

Prerequisite: Honors Pre-calculus or Pre-calculus and Admission to the AP Program

1 Credit

The AP Calculus Class is designed to prepare a student for the Advanced Placement Calculus AB test. The course covers limits, the differentiation, and integration with algebraic, trigonometric, logarithmic and exponential functions. The course covers traditional analytical algebraic methods along with a graphical approach using graphing calculators. The student will gain experience with the fundamentals and with a wide variety of applications.

### **AP STATISTICS– COURSE 3523**

Grades: 11, 12

Prerequisite: Algebra 2 and Admission to the AP Program

1 Credit

At least one statistics course is typically required for majors such as engineering, psychology, sociology, health science, and business. This year long course is intended to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Topics include:

- Exploring Data: Observing patterns and departures from patterns
- Planning a Study: Deciding how and what to measure
- Anticipating Pattern: Producing models using probability and simulation
- Statistical Inference: Confirming models

Students who successfully complete this course and score within a required range on the AP Statistics Test given in May, have the opportunity to obtain college credit for a statistics course at a cost much less than tuition. 75% of Bedford students have scored high enough to earn college credit.

## **SOCIAL STUDIES**

### **AP GOVERNMENT AND POLITICS – COURSE 1173**

Grades: 12

Prerequisite: Admission to the AP Program

1 Credit

Students in this advanced class study the political underpinnings of the American governmental system. Extensive outside reading and research is required. This class prepares the student to take the college-level AP Government and Politics test in the spring. **(This class fulfills the 12<sup>th</sup> grade Civics requirement.)**

### **AP U.S. HISTORY AND GEOGRAPHY – COURSE 1043**

Grades: 10, 11, 12

Prerequisite: Admission to the AP Program

1 Credit

Students in this fast-paced, advanced class study U.S. History and Geography at a greater depth than regular classes. Emphasis on advanced readings and interpretations occur. This class prepares the student to take the college-level AP History and Geography test in the spring. Summer reading will be required due to the pace and length of the textbook. **(Sophomores may substitute this class for U.S. History and Geography. Juniors and seniors may enroll for elective credit.)**

### **AP WORLD HISTORY AND GEOGRAPHY – COURSE 1193**

Grades: 11

Prerequisite: Admission to the AP Program

1 Credit

Students in this advanced class study and investigate five course themes: 1) interaction between humans and the environment; 2) development and interaction of cultures; 3) state-building, expansion, and conflict; 4) creation, expansion, and interaction of economic systems; and 5) development and transformation of social structures. These five themes will be experienced in six different chronological periods, from approximately 8000BCE to the present. The AP World History class provides balanced global coverage, with Africa, the Americas, Asia, Oceania, and Australia, and Europe all represented. This class prepares the student to take the college-level AP World History test in the spring.

## **SCIENCE**

### **AP BIOLOGY – COURSE 2173**

Grades: 11, 12

Prerequisite: Admission to the AP Program

1 Credit

This Advanced Placement course is designed to be the equivalent of a two-term college introductory biology course. The students will obtain experience in scientific inquiry through research and laboratory exercises, which integrate the major topics of biology. Students will also apply their knowledge of biology and critical thinking to social concerns. Upon completion of this course, students will be eligible to take the Advanced Placement Biology Exam with the possibility of receiving college credit.

## **EXTENDED AND OFF-CAMPUS PROGRAMS**

### **MICHIGAN COLLEGE DUAL ENROLLMENT PROGRAM**

The post-secondary enrollment option (dual enrollment) allows for students in grades 9-12 to dual enroll in an eligible college course(s). To qualify for Dual Enrollment students must have a qualifying score on one or more of the following standardized tests: PLAN, PSAT, COMPASS, ACT, SAT and/or the Michigan Merit Exam (MME). Contact Mrs. Schultz at (734) 850.6104 for further information.

#### **CO-OPERATIVE WORK-STUDY – COURSE 8911**

Grades: 12

Prerequisite: Enrollment in related career and technical class and signature of CO-OP Director

A state approved program that links the classroom with the workplace alternating between periods of school and a paid work assignment related to the student's field of study.

- Monday-Friday (minimum 1-2 hours /day)
- Parental approval necessary
- Must conform to all CO-OP rules
- Enrolled in a job-related vocational class
- Co-op contract must be completed before scheduling takes place

#### **IVN (Interactive Video Network)**

The IVN system classes are taught through live interaction with a certified instructor using videoconferencing capabilities. Each school site consists of a maximum of 8 students that interact with the teacher via camera and microphones. Up to 4 different schools sites throughout Monroe County can participate in the class simultaneously. Subjects typically offered through IVN at Bedford are classes that aren't currently offered in the course schedule but are offered for high school credit.

#### **JAPANESE 1 – COURSE 8704**

Grades: 9 (with special permission), 10, 11, 12

Prerequisite: None

1 Credit

Take advantage of an opportunity to discover Japanese language and culture for yourself. Forget what you may know about world languages or about English, this language takes a completely different approach to communication. As we learn to write and speak Japanese, we'll investigate many aspects of Japanese culture. From *ukiyo-e* to *umeboshi*, Japanese culture will intrigue you. Students will be introduced to basic conversation patterns and to the two Japanese syllabries, *hiragana* and *katakana*, as well as ideographs, *kanji*. This course, taught over the Monroe County Interactive Video Network (IVN), will meet throughout the entire school year. The following areas will be covered: introduction of new grammatical items, drills, dialogues in text and conversation, reading/writing and listening practice, and culture of Japan. Space is limited.

#### **JAPANESE 2 – COURSE 8714**

Grade: 11, 12

Prerequisite: Japanese 1

1 Credit

Japanese 2 is a continuation of Japanese language. This class will be taught over the IVN network. It will continue to teach the four basic language skills in a culturally contextualized format. Students will increase their mastery of the syllabries, while adding additional kanji to their knowledge base and increasing their understanding of Japanese vocabulary, grammar, and culture.

**JAPANESE 3– COURSE 8723**

Grade 12

Prerequisite: Japanese 2

1 Credit

Japanese 3 is a continuation of Japanese 2. The class will be taught over the IVN network. The class is a split level class in which students work with the teacher for half of the class and then work on their own or with their classmates while the other students work with the teacher. The course continues to teach the four basic language skills: listening, reading, writing, and speaking, in a culturally contextualized format. Students will increase their ability to read and write kanji, while they expand their vocabulary, grammar, and understanding of Japanese culture.

**JAPANESE 4– COURSE 8726 (Class must be initiated as a freshmen with special permission)**

Grade: 12

Prerequisite: Japanese 3

1 Credit

Japanese 4 is a continuation of Japanese 3. The class will be taught over the IVN network. The class is a split level class in which students work with the teacher for half of the class and then work on their own or with their classmates while the other students work with the teacher. The course continues to teach the four basic language skills: listening, reading, writing, and speaking, in a culturally contextualized format. Students will increase their ability to read and write kanji, while they expand their vocabulary, grammar, and understanding of Japanese culture

## OFF-CAMPUS PROGRAMS

### ALL STUDENTS WISHING TO TAKE THESE COURSES MUST COMPLETE AN APPLICATION FORM.

Bedford juniors and seniors should consider these courses carefully. If your interests and/or career plans can be served by one of the classes listed, see your counselor.

Off-Campus programs are and not considered dual enrollment courses. The following programs are offered:

- Auto Body Program
- Nurse Aide Training Program
- Cosmetology

These programs train with classroom instruction and hands-on experience with placement locations related to the program. An entrance interview is conducted in the spring of the year for program selection by an Intermediate School District Coordinator. Students may see their counselor for further explanations or stop by the Career Technical Office, Room E-30. See the descriptions of each below.

#### **AUTO BODY PROGRAM A – COURSE 8631**

#### **AUTO BODY PROGRAM B – COURSE 8632**

Grades: 11, 12

Prerequisite: Student must be 17 years old or older, have a valid driver's license, and must provide own transportation to placement.

1 Credit

Rough bumping, straightening, shrinking and stretching metal, filling, finishing, sanding, painting, metal welding, cutting, glass removal, automotive systems repairs are all skills learned in Auto Body. Placement will be at an individual auto body shop Monday through Friday approximately 4 hours each day. There are a limited number of positions available and an entrance interview will be conducted by an Intermediate School District Coordinator for acceptance into the program.

#### **COSMETOLOGY 1A – COURSE 8501**

#### **COSMETOLOGY 1B – COURSE 8502**

#### **COSMETOLOGY 2A – COURSE 8504**

#### **COSMETOLOGY 2B – COURSE 8505**

Grade: 11, 12

Prerequisite: Good attendance. Must provide own transportation.

2 to 3 Credits

This is a two year-1,500 hour course designed to prepare students for professional employment as hairstylist, hair color specialist, permanent waver, hair cutter, and manicurist. The student not only learns theoretical concepts during 415 classroom lecture hours, but must also apply those concepts during 1,085 hours of laboratory work and clinic practice under the direct supervision of expert instructors. The student is taught employability skills for entry into the beauty industry and prepared for the State Licensing examination. **Classes are taught at the Michigan College of Beauty in Monroe, Michigan, Tuesday - Friday from 12:45 - 4:30 pm and Saturday from 8:00 am - 4:00 pm.**

#### **NURSE AIDE TRAINING PROGRAM – COURSE 8653**

Grades: 12

Prerequisite: Be 17 ½ years old to take the State certification test at the end of the year and provide own transportation.

.5 Credit

Students will learn patient care, nutrition, medical/nursing terminology, clinical skills, health care teamwork, and patient communication, have a hands-on experience in the Nurse Aide field, and prepare

for state certification as a nurse's aide. Classroom instruction will be one day a week with training in a nursing home four hours a day after school one day a week. There are a limited number of positions available and an entrance interview will be conducted by an Intermediate School District Coordinator for acceptance into the program. Classes are at Monroe High School. Placements for clinicals are at Medilodge in Monroe.

### **MONROE COUNTY CTE**

Students interested in taking an off-campus CTE course should see their counselor.

## **OPEN DOOR ALTERNATIVE HIGH SCHOOL**

Alternative education is a generic label applied to a variety of educational programs. Open Door Alternative simply means an alternative to the traditional school setting. Alternative's biggest points of departure from traditional schools is in the area of Teacher/Student ratio and interaction, instruction, curriculum and the student's increased responsibility for initiating their work.

Open Door is a program of choice. It was established in 1987 as a non-traditional program based on the premise that there are legitimate differences in people and in the way they learn. The program's primary purpose is to help students who have experienced failure or very little success in their former educational experience. Students will complete their studies by using an online learning platform, such as Edgenuity (formerly e2020)

Open Door is an educational program designed for 16 to 19 year old students working towards a regular Bedford High School diploma.

## **BEDFORD VIRTUAL ACADEMY (BVA)**

The BVA is a FREE public education alternative to the traditional classroom environment. All classes offered through the BVA fulfill the Michigan Merit Curriculum and Bedford Public Schools graduation requirements. Students within the BVA take all classes online through engaging platforms such as Edgenuity, Odysseyware, and GradPoint. In addition to online coursework, students are offered regular face-to-face interactions with expert, Bedford teachers. To take advantage of these content specialists, students will be required to spend some time each week in the BVA classroom located at Bedford High School.

The Michigan Legislature took action in 2013 to expand student access to digital learning options through Section 21f of the State School Aid Act. As a result, students enrolled in a public local district or public school academy in grades 6-12 are eligible to enroll in up to two online courses during an academic term – or more if parents, students and school leadership agree that more than two are in the best interest of the child. Students may select online courses from our local BVA catalog or from the statewide catalog of online course titles available at <https://micourses.org/>. If interested, please see Mrs. Beth Taylor for an application to request approval.