

PRACTICAL ARTS **VOCATIONAL AND APPLIED TECHNOLOGY** **AGRICULTURAL EDUCATION**

Agricultural Education is a program of instruction designed to prepare its students for a horticultural career upon high school graduation as well as furthering their education at the post-secondary level. The program utilizes the classroom, laboratory flower shop, greenhouse, computer, and land labs. Students participate in a Supervised Agricultural Experience (SAE), which utilizes classroom instruction in any of the following areas: exploratory, research, experiment and analysis, placement, or entrepreneurship. Students also have the opportunity to develop their leadership skills by participating in the FFA (the national organization for students enrolled in an agricultural education program). Personal safety is stressed throughout the program.

ORNAMENTAL HORTICULTURE: (1920) 5 credits Grade 9-12

Ornamental Horticulture is open to anyone who has an interest in greenhouses, floral design and plant production. Students will learn skills essential in greenhouses, flower shops, and a career in plant production. Skills include plant propagation, seeding, fertilizing and general care of plants and flowers. Students will also be instructed in practical floral design. A few of the projects highlighted in this course are designing and constructing symmetrical and asymmetrical flower arrangements, grave blankets, vase arrangements, soil pH testing, growing flowers from seeds, planting bulbs, bonsai training, and tissue culture. All students will have an agricultural project.

HORTICULTURE I (1911) 10 credits Grade 10-12

Horticulture I students will be involved in production experiences in floriculture, nursery, and greenhouse. Floral design, plant propagation, greenhouse crop production, and landscape maintenance are areas stressed in this course. Students will be introduced to the State FFA and elect officers for the Buena Chapter.

ADVANCED HORTICULTURE (1916) 10 credits Grade 11-12

Prerequisite: Horticulture I

Advanced Horticulture students hone their skills they have acquired in Horticulture I as well as develop and expand the skill areas of their special interests. Students continue to be active members of Buena FFA Chapter and participate in the state convention in the spring.

BUSINESS

ACCOUNTING I (1865) 5 credits Grade 10-12

This course is designed to provide students a strong foundation in accounting principles. The curriculum focus reflects developing skills in recording, analyzing, and interpreting business transactions for service and merchandising businesses, both manually and with the aid of software. Upon completion of the course, the student will have acquired initial preparation for a career in accounting, knowledge and skills needed for careers in related business fields, and a foundation to continue studying accounting at the college level.

COMPUTER APPLICATIONS I /FINANCIAL LITERACY/CAREERS (1820) 5 credits Grade 9-12

This course is designed for all freshmen and satisfies the State's career education/ financial literacy graduation requirement. The class will provide students with basic computer skills and will assist students with career and financial decisions. Students will be exposed to a variety of careers through discussions, interest inventories and Internet activities. Students will learn word processing, spreadsheets and presentation software. The financial literacy component will expose students to economic issues that will affect their personal lives.

ADVANCED WORD PROCESSING/DESKTOP PUBLISHING I (1825) 5 credits Grade 10-12

Prerequisite: Computer Applications I/Financial Literacy/Careers

This course offers students the opportunity to learn practical techniques for using the advanced features of word processing and desktop publishing. Emphasis is placed on applying principles of design by creating professional-looking documents such as business cards, brochures, calendars, certificates, flyers, greeting cards, and newsletters.

SPORTS, ENTERTAINMENT, AND HOSPITALITY MARKETING (1810) 5 credits Grade 9-12

The sports, entertainment, and hospitality industries represent one of the fastest growing segments of the U.S. economy. This specialized course offers students the opportunity to learn advanced concepts of marketing and management in the sports, entertainment and hospitality industries. Focus is on the study of marketing as it relates to event management, sponsorship, promotion, strategic planning, endorsements, marketing plans, hotel/restaurant/convention planning, and legal and ethical issues. Students are given the opportunity to participate in DECA (an association for marketing students).

LIFE SKILLS

INDUSTRIAL ARTS

Woodworking I (1970) 5 credits Grades 9-12

Students will receive instruction in the basic concepts of woodworking including names and use of tools, materials, methods of work, finishes, and technological advances. The course is “project” oriented and the students work at their individual skill levels. In addition to demonstrations of tools and methods, lab time is provided to the student to hone the skills taught.

The purpose of this course is to develop skills in basic woodworking and an understanding of basic tools, materials, and methods of work. Students will learn to manipulate tools and materials to attain a desirable outcome and solve basic problems via “brainstorming” and designing techniques. Students will learn the basics of manufacturing products, while learning to read and follow a set of plans.

Woodworking II (1973) 5 credits Grades 10-12

The second year in the sequence of woodworking classes, this class will allow students to continue brainstorming and designing solutions to problems through critical thinking and problem solving techniques. Students will study advanced manufacturing and get hands on training in some of the latest advances in woodworking technology. Opportunities to work with more desirable materials may become apparent as the student’s skill level increases. Students will continue to explore job opportunities while developing an understanding of the expectations of employers.

The purpose of this course is to further develop skills acquired as a result of taking Woodworking I, along with a more in depth understanding of the tools, materials, and methods of work that will be explored throughout the course. Students will learn to respect tools and materials, and hone their skills so as to provide more professional looking results in a timely fashion. The student will be given time to practice and develop occupational skills through learning experiences.

Advanced Cabinetry/Design (1976) 5 credits Grades 11-12

Students will receive instruction on the concepts of advanced woodworking, design and manufacturing processes, and finishing techniques. In addition to demonstrations of tools and methods, ample lab time will be provided to hone woodworking and manufacturing skills. Students will explore the “standards” currently used in industry, along with the latest techniques in production and finishing. The purpose of this course is to enhance and accelerate the skills developed in Woodworking I & II. The student will apply those skills to the production of finer woodworking projects with an emphasis on cabinetry. Students will learn the standards in the cabinetry industry, the techniques used in the production of quality consumer products, and what is expected in attitude and work ethic to successfully maintain employment. Attention will be focused on design and the designing process, problem solving, and the use of the latest techniques acceptable in the industry. Student will receive instruction and training that will enable him or her to practice and acquire skills to confidently seek employment in the woodworking/cabinetry industry.

TRANSITIONS (8920) 5 credits Grade 9-12

This course is limited to those students who have an **Individual Educational Plan (IEP)** developed with the Child Study Team. This course is designed to encourage students to examine their interests, strengths, limitations, education and experience and guide them to make career choices that are just right for them. Through a variety of activities, which would include guest speakers and field trips, the students will explore the step-by-step process of matching personal skills to job skills, setting career goals and developing a strategy to achieve those goals.

HOME MAINTENANCE (8500) 5 credits Grade 9-12

This course is limited to those students who have an Individual Education Plan (IEP) developed with the Child Study Team. This course offers simulated work experiences in the repair and maintenance of jobs around the home. Tools and materials are provided along with step-by-step detailed instruction in their use.

POWER MECHANICS (8510) 5 credits Grade 9-12

This course is limited to those students who have an Individual Educational Plan (IEP) developed with the Child Study Team. This course introduces students to the nine basic systems of the automobile and how they operate. This course will provide prevocational assessment, training and evaluation. It should be viewed as an initial course in the basic skill-training phase of the employment orientation process.

FINE ARTS

ART I (0010) 5 credits Grade 9-12

Art I will place emphasis on the exploration of process, materials and creative interpretation of subject matter using the basic elements and principals of art as a background. The student exercises these factors in areas such as color theory, basic drawing, painting, calligraphy and sculpture. In doing so, a wide variety of media will be used (i.e. pencils, pen and ink markers, pastels, tempera paints, watercolors, collages and clay).

ART II (0020) 5 credits Grade 10-12

Prerequisite: Art I

Art II, the second sequence art course, will continue the practices learned in Art I and expand on them. Students will be expected to develop their work with greater involvement in media and creativity. As in Art I, emphasis will be placed on the exploration of subject matter.

HONORS ADVANCED ART 3&4 (0040) 5 credits Grade 11-12

Prerequisite: Art II or Arts and Crafts II

This is the third sequential art class. It is offered to the student who exhibits an unusual amount talent in the area of art. The students selecting Honors Art must have passed Art II with at least a C average and obtain approval of the instructor. Students preparing to study art in college or those who wish to develop their artist talents and skills at a higher level primarily take this course. Emphasis will be on drawing and design: exposing students to a wide variety of media, exercises, techniques and subjects. Students will have the opportunity to work on more in-depth drawing and painting projects. Areas of study may include drawing, painting, sculpture, pottery, calligraphy, art history and wall mural design.

ARTS& CRAFTS I (0050) 5 credits Grade 9-12

A course designed to introduce students to the basic concepts, media, and techniques involved in a variety of craft art forms. Emphasis will be placed on cultural and modern crafts, as well as the elements of art and principles of design. The

practice of good craftsmanship and a sense of good design will also be emphasized. Some media includes clay, sculpture, paper mache, and paint. The Arts and Crafts class is intended to meet the needs of students of all artistic abilities.

ARTS AND CRAFTS II (0051) 5 credits Grade 10-12

Pre-requisite: Arts and Crafts I

This course allows for further exploration of various art forms and crafts. Students will be expected to develop original designs and be able to work in groups as well as independently. Media will include batik, jewelry, painting, sculpture, bookmaking, clay, and the use of the potter's wheel.

INTRO TO COMPUTER GRAPHIC ART (0090) 5 Credits Grade 9-12

An introduction into the world of computer generated art. Students will have two marking periods of Adobe Illustrator and two marking periods of Adobe Photoshop. This course is a mandatory pre-requisite for the following three courses.

PHOTO MANIPULATION (0091) 5 Credits Grade 10-12

Prerequisite: Intro to Computer Graphic Art (0090)

Photo Manipulation takes the career ready practices of Adobe PhotoShop learned in Intro to CGA (formerly Graphic Design I) and advances the student's knowledge of pixel manipulation.

In this course, the student will review the most important topics of Adobe Photoshop by starting with "how to get started with Photoshop", including using Adobe Bridge. Next, the student will learn how to work with layers, make selections, incorporate color techniques, and place type in an image. You will then focus on using painting tools, working with special layer functions, creating special effects with filters, and enhancing specific selections. Finally, you will learn about adjusting colors, using clipping masks, paths, and shapes, transforming type, liquefying an image, performing image surgery, annotating and automating an image, creating images for the Web, and working with a DSLR digital camera as well as Camera Raw images.

ELECTRONIC ILLUSTRATION (0092) 5 Credits Grade 10-12

Prerequisite: Intro to Computer Graphic Art (0090)

Electronic Illustration takes the career ready practices of Adobe Illustrator learned in Intro to CGA (formerly Graphic Design I). Electronic Illustration increases higher levels of complexity and expectation as students advance their previous experience with Adobe Illustrator. In this course, the student will learn the most important topics of Adobe Illustrator. First, they will review "How to get started with Illustrator?" Next, the student will learn how to create text and gradients, draw and compose an illustration, transform and distort objects, work with layers, patterns, brushes, filters, transparency and the new Live Color feature. The course will then focus on creating graphs, drawing with symbols, and creating 3D objects. Finally, you will learn how to prepare a document for prepress and printing, and how to prepare graphics for the Web & Devices, such as cell phones and PDAs.

2D ANIMATION (0093) 5 Credits Grade 10-12

Prerequisite: Intro to Computer Graphic Art (0090)

This animation course exposes students to a range of traditional animation techniques using iMovie, as well as digital media motion graphics using such programs as Adobe Flash and Photoshop. Students learn basic theories, timing, frame-

rate and other mechanics incorporated in the animation process. Students will observe animated features, television shows, web-based animation and commercial animation as a career focused field. Included with the motion graphic software, students will also study drawing, the fundamental principles of character design, layout and storyboard. A student must take Intro to CGA (formerly Graphic Design I) to be able to take 2D Animation.

BAND (0300) 5 credits Grades 9-12

This course is designed for the student who wishes to perform a variety of band music. Concepts such as blend, balance, intonation, style, and precision are stressed. Performances include the Winter Concert, Spring Concert, and Commencement. The Chiefs Marching Band is comprised of band members from grades 9-12, and performs at all Buena Regional home football games. The band also participates in competitions, fall and spring parades, and community events. Summer rehearsals begin in July and will culminate in Band Camp.

CHOIR (0330) 5 credits Grades 9-12

This course is designed for the student who wishes to gain fundamental musical training through the use of the singing voice by singing solo songs or 2-or 3- part harmony. Choir is an elective for all students, regardless of gender. Students will learn the basics of singing, be exposed to a variety of musical styles and will learn how to read music. Students will also gain confidence in their own abilities by performing for each other or for an audience.

SELECT CHOIR (0335) 5 credits Grades 9-12

Prerequisite: Teacher Recommendation

This course is designed for the students who wish to further develop their voice, as well as their ability to sing in 3- and 4-part harmony. Select Chorus is an elective for students who have successfully completed a year of Choir or who have studied privately and can demonstrate their abilities with an audition. Students will learn more advanced singing techniques, be exposed to a variety of musical styles, and expand upon their ability to read music. Students will also gain confidence in their own abilities by performing for an audience and at competitions.

MODERN MUSIC: GUITAR TO COVER BAND (0397) 5 credits Grades 9-12

This course is designed for the student who wishes to gain in fundamental musical training through the use of the guitar. Guitar Class is an elective for all students. Students will learn the basics of guitar playing techniques, be exposed to a variety of musical styles and learn how to read music. Students will also gain confidence in their own abilities by performing for each other or for an audience.

PIANO (0305) 5 credits grades 9-12

This course is designed for the student who wishes to gain a basic understanding of the musical keyboard. Students will learn to read music, play with two hands simultaneously, learn scales, and develop a feel for musical nuances that can be translated to the listener through performance. Learning and performance is in a lab environment utilizing 61 note electronic keyboards. This is a year-long course.

MUSIC THEORY I (0399) 5 credits Grades 11-12

This is a 3 part course designed for the students who wish to engage in an in-depth study of the fundamental elements of music and further their fluency with melody, harmony, texture, rhythm, and form. Students interested in a career in songwriting, classical and jazz composition or advance music theory should consider this course. This course requires a basic base knowledge of music theory (ie: play a musical instrument or sing in a choir).

DRUM LINE WORLD PERCUSSION (0312) 5 credits Grades 9-12

This course is performance based for students who wish to learn various techniques and styles of music in world drumming, concert and marching percussion. Students will play in an ensemble setting with performance throughout the year. Student will learn various percussion instruments related to world drumming, concert and marching percussion. Students need not have a base knowledge of music performance to join the course.

DIGITAL MUSIC COMPOSITION (0306) 5 credits Grades 10-12

Prerequisite: This course is successful participation in Piano, Choir, Band, or Music Theory for one year.

This course is designed to help students utilize current technologies to create music of their own. They will utilize online notation programs and digital music production software like GarageBand to create their own compositions. They will explore the possibilities of adding their music to video and learn how the industry is changing for independent creative musicians.

BASIC LIGHTING AND SOUND ENGINEERING (0398) 5 credits Grade 9-12 (one time only)

This course introduces students to the technical aspects of theatrical lighting and sound engineering. Students will also learn elements of portable sound production and DJ work for various occasions. Students in this course often assist in school events requiring lighting and sound technology. This course also includes an introduction to digital recording technology, designed for students who have an interest in producing music through electronic means.