

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 Approved for Dual Credit

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 Approved for Dual Credit

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

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.

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.

HONORS COMPUTER APPLICATIONS II - (1822) Grade 10-12

Prerequisites:

Computer Applications I/Financial Literacy/Careers minimum final grade of "C" OR teacher recommendation

This course is designed to provide students with opportunities to enhance their computer technology, decision-making, productivity, communications, and problem-solving skills. Areas of instruction include advanced computer applications and integration of word processing, desktop publishing, spreadsheet, database, and presentation software, as well as the use of emerging technologies. Students will be required to think analytically, manipulate information and use the computer as a productivity tool using the programs that are a part of Microsoft Office Suite. Upon completion of this course students could, with additional study, be prepared for the Microsoft Office Specialist (MOS) exam. Advanced computer skills can be a valuable asset in any employment search or career advancement.

*Dual credit available through Atlantic Cape Community College pending agreement.

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).

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.

FINE ARTS

Introduction to Art (0015) 5 credits

Open to Grades 9-12

This is a foundation and general course in the visual arts. Students will explore a variety of artists, processes and materials such as drawing, painting, printmaking, world crafts, clay, and sculpture. Emphasis will also be placed on the elements and principles of art and design. Willingness to get involved in the creative process is more important than the student’s skill or previous experience. This course fulfills the NJ fine art requirement for graduation.

Art and Design 2D (0025) 5 credits

Pre-Requisite (Art 1 or Arts & Crafts 1)

Open to Grades 10-12

This second year course offers an opportunity for students who wish to create two-dimensional art in order to further develop skills and techniques learned in Introduction to Art. Emphasis is placed on experiences with **2D design, drawing (pencil, charcoal, pastel, comics), painting (watercolor, acrylic), world craft, and printmaking.** Students will be exposed to artwork of the past and present and will develop abilities for advanced courses.

Art and Design 3D (0035) 5 credits

Pre-Requisite (Art 1 or Arts & Crafts 1)

Open to Grades 10-12

This second year course offers an opportunity for students who wish to create three-dimensional art in order to further develop skills and techniques learned in Introduction to Art. Students will explore sculpture in a variety of materials such as clay, plaster, cardboard, papier-mâché, and bookmaking. Students will be exposed to artwork of the past and present and will develop abilities for advanced courses.

Advanced Art (0036) 5 Credits

Pre-Requisite (Art 2 or Arts & Crafts 2)

Open to grades 11-12

A third level course for those students who wish to further develop skills and techniques that were introduced in previous are courses. Students will be continually encouraged to expand their creative ideas as well as their technical potential. This course will explore a variety of materials and will cover both 2D and 3D works of art. Students will be expected to take on a more individual role in the class.