SYLLABUS

Mr. John Cannady

SENIOR CAREER PATHWAY PROJECT

Textbook

None

Instructional Philosophy

Students will be expected to meet all course objectives. Students should demonstrate their understanding through completion of lab work, projects, and activities assigned. Lab activities will require students to apply concepts and troubleshooting techniques taught in class. The skills learn will enable students to become proficient at computer hardware, software, networks, and the Internet.

Program Goals

The Senior Career Pathway Project program will

a. Develop organizational skills
b. Enable students to complete all labs
c. Encourage participation in class discussion
d. Enable students to participate in all lab skills
e. Encourage participation and cooperation in other assigned projects and activities related to the unit being studied

Prerequisite

None

Course Schedule

The Senior Career Pathway Project course is a 1 credit course.

Course Fees/Club Dues

Course Fee: None

Skills USA Fee: None

Grade Scale

A = 90 - 100
B = 80 – 89
C = 70 – 79
D = 60 – 69
F = 0 -59

Assessments

1. **Major (65% of Grade)**
    a. Skills
    b. Projects
    c. Major Assessments
    d. End of Chapter/Module
    e. Major Online Assessments
    f. Community and Home Service
    g. Parent Signed Forms/Assessments

2. **Minor (35% of Grade)**
    a. Journals
    b. Homework
    c. Daily Tasks
    d. Notes Check
    e. Online Assignments
    f. End of Chapter Reviews
    g. Open Book Assessments
    h. Contribution in class lesson
    i. Team Development Exercises
    j. Returned Items (Signed Papers)
    k. In or Out-of-Class Assessments

Teacher Credentials

*M.S., Adult Education, Troy University of Montgomery
*B.S., Management of Human Resources, Faulkner University
*A.A.S., Instructional Technology/Military Science, CCAF
*A.A.S., Aerospace Ground Equipment Technology, CCAF
*Professional Educators Certificate: JLC-0034-7927
*CCNA: CSC011079748
*CCAI: 3391181CCNA
*C-Tech Copper Based Systems Instructor: 01-04-C-0601-1
*C-Tech Fiber Based Systems Instructor: 01-04-F-0601-1
*Microsoft Certified Professional: F866-3365
*MTA: Windows Operating System Fundamentals: F866-3366
*MTA: Windows Networking Fundamentals: F866-3367
*PC Pro A+: C923
* Internet and Computing Core (IC3): 21July2004
*Internetworking Level 1 Certification: 347927
*Industrial Maintenance Level 1 Certification: 347927

Essential Questions

- What is the difference between hardware, software, and firmware?
- What types of devices use USB ports?
- What are common input and output devices?
- What is the definition of processing?
- What are the most common types of storage devices?
- Why is it important to increase componentization and standardization?

Course Description

Senior Career Pathway Project (SCPP) is a capstone course designed for career and technical education students who have completed two or more career and technical education courses. This course allows students to utilize their secondary coursework through an experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and engage in an in-dept exploration of the area while demonstrating problem-solving, decision-making, and independent-learning skills. The SCPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.

During the SCPP the student works with his or her coordinating teacher, academic teachers, and with a product or process mentor who has expertise in the student's field of study. At the conclusion of the SCPP, the student presents or demonstrates knowledge gained to an audience consisting of the coordinating teacher, academic teachers, the product or process mentor, peers, and community and business representatives.

Career and technical student organizations are integral, co curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

Project Proposal

Students will:

1. Create a formal, narrative proposal that communicates a specific concept, process, or product related to a chosen career pathway.
   Examples: "Effects of Refrigerants on the Ozone Layer," "Irrigation and Drainage Systems of Sports Fields," "Remodeling a Bathroom for the Physically Handicapped," "Marketing a Product for Teenagers," "Internship for Becoming a Sushi Chef," "Developing a Disaster Response Plan for a Hospital Emergency Room"

Research

2. Conduct independent research related to a selected project concept.
   Examples: Internet research, related readings, original research

Project Report

1. Write a detailed report on the chosen project.
   1. Demonstrating correct usage of standard writing format

Presentation

1. Produce an original multimedia presentation based upon project results.
   Examples: producing a digital presentation and oral explanation, creating a documentary, presenting a project model and explanation

Portfolio

1. Design a project portfolio that includes project-related documentation.
    1. Critiquing a project portfolio for components and process validity
       Examples: components—abstract, table of contents, project proposal, signature sheets, journal entries, research, formal timeline, self-assessment, mentor assessments