Department of Teaching and Learning
Career and Technical Education
Course Information

Aerospace Science II
Course Credit: 1.0
Course Codes: 810500 / 810560
Grades: 11-12

Counselors are available to assist parents and students with course selections. Families may arrange to meet with counselors by contacting the school's counseling department.

COURSE DESCRIPTION

Aerospace Science II provides an advanced exploration of flight, space travel, and supporting technologies through a problem-solving method and practical application. Students explore concepts in aircraft operations; aircraft design, flight safety and maintenance; airport infrastructure; rocket technology; space systems; and living and working in the aerospace environment.

This course counts as an elective credit.

COURSE COMPETENCIES

Course competencies can be found in the Curriculum Guides section.

PREREQUISITE

Aerospace Science I

WORK-BASED LEARNING EXPERIENCE

Service Learning

CREDENTIAL

Students are eligible to sit for the following credentials:
Workplace Readiness Skills

CAREER AND TECHNICAL STUDENT ORGANIZATION (CTSO)

Technology Student Association (TSA) provides the application and integration of science, technology, engineering, and mathematics (STEM) concepts through co-curricular instruction, leadership development, competitive events and related programs.

BENEFITS OF CAREER AND TECHNICAL STUDENT ORGANIZATIONS INCLUDE:
- Provides a hand-on approach to learning
- Refines career objectives through realistic experiences
- Promotes awareness of new career opportunities
- Develops skills and responsibilities for being a role model and mentor
- Cultivates social development and awareness
- Develops a sense of community and volunteerism
- Develops an appreciation and understanding for cultural diversity
- Improves communication and decision-making skills
- Provides for personal development
- Develops interpersonal and leadership skills
- Develops responsibility and self-confidence
- Provides opportunities for recognition

LAB FEE
$20.00