

COURSE NUMBER: 455
COURSE TITLE: World of Construction
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Intro to Industrial / Agricultural Technology Required
GRADE LEVEL: 10, 11, or 12

COURSE DESCRIPTION:

Students will cover the complete process of the construction trades from community planning, site selection, and building the finished structure. The student, upon completion will be able to work for construction and be able to figure cost of materials. A class project of placing concrete and/or building a small structure will allow students a hands on experience using building materials, tools, and equipment.

Students enrolled in this class are eligible for FFA membership.

RATIONALE:

The importance of planning, designing, surveying, and estimating construction sites will be emphasized to help students understand the career opportunities in the construction industry.

METHOD OF INSTRUCTION:

Teaching methods will include films/demonstrations, class group work, book work, field trips, and guest speakers.

ASSESSMENT:

1/3 - laboratory; 1/3 - group project; 1/3 - class work

CRITICAL OBJECTIVES:

1. community planning
2. surveying
3. excavation
4. footings and foundations
5. structures
6. wiring
7. plumbing, heating, and air-conditioning
8. exterior finishing
9. interior finishing