
COURSE TITLE: CONSTRUCTION PRACTICES

COURSE DESCRIPTION:

Each student will be introduced to the types of structures in today's and yesterday's culture. An emphasis will be placed on residential construction. Analysis of residential and commercial practices will occur. Activities in structural engineering, framing, finish carpentry, electrical, and HVAC will enhance understanding. As we are called to be servants in God's world, students will use their construction skills in service to our community. Prerequisite for freshmen and sophomores: Introduction to Technology.

ESSENTIAL LEARNING OBJECTIVES:

The learner will

1. be exposed to careers and concepts related to the construction industry;
2. participate in activities that will peak interest and enhance skills in the building trades;
3. gain understanding of the need for stewardship of time and resources in light of God's creation;
4. improve technical reading, writing, and math skills.;
- a. use common vocabulary while involved in construction activities; and
- b. demonstrate proficiency while using tools related to this course.

COURSE OUTLINE:

- A. Overview of the construction industry
- B. Tools of the trade
 1. Reading a working drawing
 2. Math Skills review
 3. Power tools
- C. Components of construction
 1. Project planning
 2. Footings and foundations
 3. Framing
 4. Exteriors
 5. Rough -in
 6. Electrical
 7. Plumbing
 8. HVAC
 9. Drywall/interiors
 10. Cabinetmaking
- D. Practical lab activities

ONLINE LEARNING EXPERIENCE & RESOURCES:

- FAWeb/NetClassroom Teachers input information into FA Web (their web-based administration tool) that integrates with NetClassroom to provide students and parents with online password-protected access to student records and academic information including assignments, their due dates, and grades
- Moodle Course..... The companion online Moodle course is used as a repository for classroom information: syllabus, handouts, most notes, links to help sites, links to animations and videos shown in class or for extension.

COURSE RESOURCES:

1. Modules will be established to give students a variety of construction principals
2. Tests of knowledge and skills will be given to evaluate progress
3. A textbook along with internet resources will be utilized.

COURSE ASSESSMENTS:

1. Each student will be evaluated based on a total point system.
2. The school grading scale will be followed.
3. All grades will be kept on FA web and is made available to the student and parent on a regular basis.

INITIALS & DATE OF LAST UPDATE: gdk 10/31/12
