

Construction Tech

Course Syllabus

Instructor: Mr. Oakley

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Purpose

Students will study the construction industry and methods used in construction. The major areas of investigation in the course are planning, designing and constructing the project. Students will be exposed to how a building is constructed from the beginning planning to the completion of roof and interior. Installation of mechanical systems, electrical systems, plumbing systems, and other systems may be studied. Many activities will be incorporated to demonstrate and reinforce the lessons. Students interested in engineering, architecture, and building trades careers may find this course of great benefit.

Assessment

Lab Grade – Many of the activities for this course are completed in class, especially those requiring the use of computer software. This category includes small or short term assignments, particularly those testing a new skill, and any homework assignments. It also includes grades for attendance, attitude, effort and participation within the classroom.

- Tests & Projects (approx. 50% each) – Tests cover a range of topics within a larger unit, while Projects refers to the final product and presentation of a design project. This category reflects more on the result of student activity rather than the process.

- Final Exam (20%) – A cumulative test over the semester's material.

- Progress Report Grades – The current grade shown in Infinite Campus at the end of assignments due by the end of a marking period will be included in that six-weeks grade. The only grade that carries over is the semester grade.

- Late Work – Late work will be accepted, with a penalty of 20% per school day. No late work will be recorded that is turned in within five days of the end of a grading period. Extensions related to illness and family travel are made on a case-by-case basis.

- Cheating is defined as turning in any work that is not your own, including copying down someone else's homework. Cheating will warrant a zero on the assignment plus possible additional disciplinary action.

Parkway Grading Scale

The grading scale used will be the following:

A (4.0) 90% B (3.0) 80% C (2.0) 70% D (1.0) 60% F (0) below 60%

Course Outline

SEMESTER I

Individual

Introduction to shop safety and common shop tools / safety tests

Planter Bench personal project to demonstrate skill proficiency

Waste water - PVC information and personal project

Group Work

Scaled wall drawing prior to framing in the shop

Electrical information, wiring diagram, wired 3-way switch in shop wall

Water Supply – sweat copper project / pressurized

Drywall as time allows