



Ephrata High School Course Syllabus



Construction

I. Course Description

Construction

This course is designed to give students experiences related to the tools, methods, and materials related to aspects of residential construction, wood-based framing as found here in North America

Activities vary but may include the analysis of the design of a typical residential home, and its various individual framed components. The basic construction of a shed or shed-like structure to experience contemporary framing methods, and or "typical wall" construction.

II. Materials & Equipment

Materials used in Construction shall include basic hand tools and various portable power tools.

III. Course Goals & Objectives

Understand through hands-on experiences residential construction and its systems in order to make an individual a better consumer.

IV. Course Topics (Summary Outline)

- Wood and wood materials. Deciduous and Coniferous wood materials
- Tools and their safe, proper use.
- Residential stick-framing methods and theory.
- Strength of materials.
- Residential design.
- Framing activities, trim and weather proofing.

V. Assignments & Grading

Final examination, tests, quizzes, and other classroom activities = 35%

Class Participation = 65%

