LESSON NAME

Course Name	Grade Level	Subject Represented
Construction	10-12	Framing Unit

GOALS:

Students will explore how to frame a floor that is level and square.

OBJECTIVES:

Given a demonstration, framing tools, 2x4's, and coated sinker nails the Construction students will be able to properly frame so that it shows level and square with 90% efficiency.

PRIORITY STANDARDS:

-Demonstrate ability to identify and safely use hand tools commonly used by tradesmen and tradeswomen. -Identify types and uses of exterior building materials.

TIME FRAME:

5 days

MATERIALS:

- 2x4's
- 8d and 16d nails
- 2x4's
- OSB
- Tape measure
- Level
- Speed square
- Circular saw
- hammer

PROCEDURE:

Day 1: Floor Framing PowerPoint and Follow Along Worksheet

Day 2: Floor framing diagram and calculation of cut list

Day 3: Cut all 2x4's to size and assemble with nails

Day 4: Pythagorean theorem video and demonstration. (<u>Squaring Shed Floor with Pythagorean Theorem Pt. 1</u> <u>Squaring Shed Floor with Pythagorean Theorem Pt. 2</u> Demo on using a level to check for perfectly horizontal Day 5: Utilize Pythagorean Theorem to square floor and sheet with OSB. Adjust and level floor for inspection

ASSESSMENT:

Box sill floor framing project

Floor Framing Blue print



Wall Framing Blueprint

