

Builder Level Lesson Plan

Technical Studies Program Carpentry

Grade Level(s) this standard will be addressed 10-12

Standard 2.B Fundamentals of Carpentry

2.B.06 Apply basic carpentry math principles.

2.B.09 Install Batter Boards.

2.B.11 Check materials for square, plumb, level.

Learning Outcomes

The Students will demonstrate the ability to:

Identify terms used with and components of a Builders Level.

Set up a tripod.

Set and level the scope on the tripod.

Record elevations

Activities They Will Be Doing

Students will set up a tripod using a bullet level so it is stable and at a comfortable height for the user to view through the scope.

Students will attach the scope to the tripod & level it in 360 degree positions.

Students will identify a Bench Mark.

Students will shoot an elevation on the architects' rod above the benchmark.

Students will shoot two points to check for level.

Students will shoot two points 50 feet apart and record the slope.

Assessment See attached rubric.