

Grade Level: Vocational Education, Adult

Subject:

- Tools of the Trade

Duration: 2hr block

Description: Provides a basic practical knowledge for use of the Transit Level.

Goals: To broaden the students scope of labor trade tools.

Objectives:

1. Students will demonstrate the ability to read measurements from a 1/16th and 1/8th inch scale.
2. Students will demonstrate the ability to add and subtract fractions and apply these fundamentals when using the transit level for line projection.
3. Students will understand the set-up procedures for the transit level and determine if a known line is level.

Materials:

- transit level
- 8' engineer rod
- pen/site journal
- ruler 1/16th scale
- Power point
- student assessment
- teacher evaluation
- black marker
- name tapes/desk folds

Procedure: Begin with self intro describing your work background and how you came to municipal work. Encourage group discussion and tailor discussion to the tools the student will come in contact with. Utilize PowerPoint presentation for lecture on measurement, addition and subtraction of fractions, and the transit level. Assess the students understanding of each topic with worksheet one and two.

Assessment: Each guest is given an evaluation sheet. On this sheet, guests are to indicate what they felt the theme was. They are also free to make comments concerning preparedness and organization of the groups.

Useful Internet Resources:

www.ehow.com

www.tipsbytom.com/index.php/how-to-level-a-grade/

Special Comments: Consider using a soft object such as a plush ball to toss to a student to encourage participation. Have the student toss it to a student of choice to be the next to share ideas. Works like the game "tag."