

Middle Bucks Institute of Technology

Course - Electrical Technology

Instructor: Randy McDowell

Date(s): Week 7-8

Lesson Title: Power Tool Level 100

Lesson Number: 300

Unit: Level 1 - Semester 1 - Power Tools

Objectives/Description:

Students will be able to safely make several operations with each power tool on the POS and pass a written test at 100% fore each.

Tasks/Learning Activities: (student focused)

PA300 - Power Tools

PA302 - Use a hammer drill.

PA303 - Use a reciprocating saw.

PA304 - Use a portable hand-held band saw.

PA306 - Use a drill.

PA310 - Use an oscillating multipurpose tool.

PA311 - Use impact driver.

Standards / Assessment Anchors

CC.1.2.11-12.B Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences and conclusions based on and related to an author's implicit and explicit assumptions and beliefs.

CC.2.1.HS.F.2 Apply properties of rational and irrational numbers to solve real world or mathematical problems.

CAREER EDUCATION & WORK

13.1.11.A Relate careers to individual interests, abilities, and aptitudes.

Instructional Activities: (teacher focused)

- *Pre-Learning
- K-W-L (M A X)
- Picture walk
- Quick look
- Reciprocal Teaching
- *Post-Learning
- Demonstrate what was learned
- Writing journals

Special Adaptations:

Per student accommodations

- Study Guide
- Use of Calculator
- Drill and Practice (Repetition of Material)
- Teacher Modeling
- Communication Regarding Behavior & Consequences (PBS)

Assessment:

- FORMATIVE/SUMMATIVE EVALUATION
- Traditional Tests - multiple choice, matching, true/false, short answer completion
- Traditional Quizzes - multiple choice, matching, true/false, short answer completion
- Class Oral Responses
- Teacher observing and scoring each step of the process as a job is being completed
- Teacher checking and scoring as each part of an activity is being done correctly
- Teacher evaluating if PA Program of Study tasks are being achieved as expected
- Teacher evaluating student class participation

Safety:

All work shall be performed in a workmanlike and safe manner according to industry and OSHA standards.

Lesson Preparation:

Check tools for wear and tear.
Make sure there are enough bits and blades for each tool.
Acquire materials to be used with tools
Confirm student safety Manuals are printed and up to date.

Resources/Equipment:

Powerpoints
Teacher made handouts
Safety Manual
Google Classroom

Additional Notes:

Supplemental materials will be posted in Google Classroom.