

Lesson Plan

Program: General Shop
New Castle Youth Development Center- Correctional Education
Instructor: Michael Haas

Course: Beginning Woodworking

Unit: 8

Lesson Title: The safe operation of a portable electric hand drill.

Terminal Objective: The students will be able to drill holes in specified locations while safely operating an electric hand drill.

Enabling Objectives: 1. The students will be able to read and understand the safety rules for the use of the electric hand drill.

2. The students will be able to operate the hand drill safely and correctly.

3. The students will be able to drill holes in specified locations using a portable electric hand drill.

Introduction: 5 minutes – The instructor will give an explanation of today's hand drill lesson discussing various uses and advantages of the hand drill.

Body: 25-30 minutes – Student reading assignment.
Teacher demonstration

Main points: 1. The students will be able to choose the correct drill bit and install it in the chuck.

2. The students will be able to apply the safety rules for the use of the electric hand drill.

3. The students will be able to correctly drill holes in precise locations using the electric hand drill.

Summary: 6-10 minutes

1. Review safety and operation of electric hand drill

2. Students will answer instructor's questions.

3. Students will complete assigned drilling project to specifications.

Materials Needed: Electric hand drill
Rule
Extension cord
Hammer

Drill bits
Combination Square
Center punch
Text- Beginning Woodwork

PA Academic Skill Standards
Reading, Writing, Speaking and Listening

Grade 8 1.1.8 A B E F

Grade 8 1.2.8 A

Grade 8 1.6.8 E

PA Academic Standards for Mathematics

Grade 8 2.1.8 A

Grade 8 2.3.8 C