Lesson: Wood Burning Techniques

Grade Level: 6-8

Subject: Industrial Arts

Instructor: Nick Steele

Time: 45 minutes

Standards Referenced:
WDI.PT.2 – Explain how to use specific power tools.
WDI.PT.3 – Explain ways in which specific power tools are used to work with wood (purpose of tool).
WDI.PT.4 – Utilize power tools properly to complete assigned tasks and/or projects.

Objectives: Students will understand how the wood burner can be applied to the current project (bird feeder), and subsequent projects. Students will know the safe ways of handling, using, and storing of the wood burner.

Summary: Students will be reminded about goals and deadlines for two projects currently under construction. Students will be introduced to a new tool – the wood burner – and shown techniques for using the tool safely and proficiently. The instructor will scaffold the use of the tool by explaining its capabilities, demonstrating safe techniques, and allowing students to practice under supervision by instructor and classmates.

Learning Plan:

- Remind students of goals and deadlines for Pallet Wood Box and Bird Feeder. (5 mins)
- Gather students around work bench and introduce wood burner as it warms up. (10 mins)
- Display artwork created by instructor, and a student, to demonstrate the capabilities of the wood burner.
- Demonstrate the first three steps of using the wood burner: (5 mins)
  1. Strait, consistent, wide line
  2. Strait, consistent, thin line
  3. Stippling
- Demonstrate using the three steps to create an image on pine wood. (10 mins)
- Gradually allow students to handle the wood burner safely and properly while lightly coaching them on specific techniques. (10 mins)
- Explain and model proper storage and clean-up of wood burner and excuse students when the bell rings. (5 min)