

Wood Technology Lesson Plan

Lesson Plan Title	Measuring, Marking and Layout Tools
Lesson Plan Created by	Zachary DePace Career Connections Outreach Specialist
Grade	9-12
Subject	Wood Technology
Standard(s)	2. Demonstrate and explain knowledge of workplace safety procedures. 3. Demonstrate and explain knowledge of personal safety practices pertaining to eyewear, footwear, clothing, and personal protective equipment (PPE) used in wood technology. 5. Demonstrate and explain knowledge of proper use and storage of basic hand tools. 16. Measure to one sixteenth of an inch.
Time	4 hrs.
Indicators/Objectives	Students will be able to: identify measuring and marking tools, describe the use and maintenance of each. Students will gain knowledge on why tools are important, completing the lead up exercises and practicing using the tools and discussing with their peers.
Required Materials	Hand Tools: Tape measure, Combination square, speed square, compass, protractor, sliding T-bevel, Framing square, straight edge and chalk line. Career Connections Project Book 1 pages: 26-55. (Enough for each student or small group)
Initiation (prior knowledge, connection, vocabulary)	Tools make task accomplishment easier. Safety is a primary concern.
Learning Procedures	Read the chapter, understand the new vocabulary, answer the chapter check questions, practice with the tools using the "lead up" exercises.
Grouping	3-4 Small groups
Guided Practice	Students will work in small groups at shop tables, with all the previously mentioned measuring tools, working together to complete all the lead-up exercises and helping each other as they progress at their own pace.
Instructional Strategies	Lecture and Demonstration on how to identify and use and maintenance of each tool, lecture on safe work habits and respect for tools, reference to the Career Connections Book 1, and hands-on practice with each tool.
Closure	Students will be graded on their use of time, safety methods, quality of work, cleaning and organization of their work area, interaction with other students, and employability skills. Manipulative skills assessments and written evaluations.
Independent Practice	Chapter Check pages 54-55. Lead-up exercises for each tool, pages: 31-52.