

Anoka-Hennepin Secondary Curriculum Unit Plan

Department:	Career Technical Education	Course:	Construction Careers: Building Trades	Unit 1Title:	Introductory Tool Use and Safety	Grade Level(s):	11-12
Assessed Trimester:	A	Pacing:		Date Created:	1/17/2014	Last Revision Date:	

Course Understandings: <i>Students will understand that:</i> <ul style="list-style-type: none">• The field of construction trades and its area of specialization.• Organizational skill, problem solving, critical thinking, and assessment skills are the essential tools used in construction trades.• Math, in its various forms, are foundational to the construction trades.• Attention to detail, resulting in a safe work environment and a high quality product, is the driving force within construction trades.

DESIRED RESULTS (Stage 1) - WHAT WE WANT STUDENT TO KNOW AND BE ABLE TO DO?

Established Goals	
<ul style="list-style-type: none">•	
Transfer	
Students will be able to independently use their learning to: (product, high order reasoning) <ul style="list-style-type: none">•	
Meaning	
Unit Understanding(s): Students will understand that: <ul style="list-style-type: none">• Math, in its various forms, are foundational to the construction trades• Organizational skill, problem solving, critical thinking, and assessment skills are the essential tools used in construction trades• Attention to detail, resulting in a safe work environment and a high quality product, is the driving force within construction trades• Adding, subtracting, multiplying, dividing, finding a common denominator, and converting fractions is fundamental to all aspects of construction• Using a ruler is applying fractional concepts in order to measure a given object• Knowledge of and proper care of tools is integral to safe handling of tools• Technical reading is required to produce a quality product	Essential Question(s): Students will keep considering: <ul style="list-style-type: none">• How is math utilized in the construction trades?• Why is math foundational to the construction trades?• What is the role of fractions in construction?
Acquisition	
Knowledge - Students will: <ul style="list-style-type: none">• Have a basic understanding of a variety of measuring tools• Know how to read procedures correctly• Know safety protocols for both hand and power tools Reasoning - Students will: <ul style="list-style-type: none">•	Skills - Students will: <ul style="list-style-type: none">•

Common Misunderstandings <ul style="list-style-type: none">• Inability to do math• Illiteracy in either or both reading and writing	Essential new vocabulary <ul style="list-style-type: none">•
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