

Anoka-Hennepin Secondary Curriculum Unit Plan

Department:	Career Technical Education	Course:	Construction Careers: Finishing	Unit 1Title:	Introductory Tool Use and Safety	Grade Level(s):	11-12
Assessed Trimester:	A	Pacing:	10 Days	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	
Minnesota State/Local/Technology Standard(s) addressed: <ul style="list-style-type: none">• Professional Attributes - A2 Displays a positive attitude, A3 Displays appropriate behavior, A4 Works effectively as a team member, A5 Applies listening skills, A6 Applies speaking skills• Fundamental Carpentry Skills - E9 Uses squares, measuring tapes or rules to measure materials or distances, E11 Performs mathematical calculations• Hand Tools – F1 Identifies and correctly uses hammers, F2 Identifies and correctly uses handsaws• Power Tools – G1 Identifies and correctly uses power drills, G2 Identifies and correctly uses power saws, G3 Identifies and correctly uses sanders, G7 Identifies and correctly uses pneumatic nailer• Reading Plans – H4 Reads and interprets elevation view drawings• Installing Interior Finishes – O1 Installs batt insulation, O3 Installs drywall, O4 Tapes and finishes joints, O5 Finishes corners, O6 Performs sanding, O7 Identifies and correct problems in drywall finishes, O8 Patches damaged drywall, O10 Cases interior openings, O11 Installs corner beading, O12 Installs baseboard, O13 Installs door jams, O14 Installs weather stripping, O15 Hangs interior door, O16 Installs pre-hung door unit, O18 Installs door trim, O19 Installs window trim, O22 Installs prefabricated cabinets, O24 Installs builder hardware, O28 Installs underlayment, O29 Installs sheet vinyl flooring	
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">• The application of basic construction concepts is foundational to all types of construction projects• Mastery of basic construction concepts is required to be successful in construction trades• Mastery of basic construction concepts is required to be able to work in conjunction with other carpenters• Basic construction concepts apply to both new construction and remodeling projects	Essential Question(s): Students will keep considering: <ul style="list-style-type: none">• How do you apply basic construction concepts to interior finishing projects?• What is included in interior finishing?• What is interior finishing?• What is the difference between a window and door rough opening?• How do you apply insulation?• How do you install drywall?• How do you apply drywall compound?• How do you install vapor barrier?• How does power tool safety change with the job requirements?• What is a rotary drywall tool?• How do you do interior painting?

	<ul style="list-style-type: none">What techniques are used in interior painting?
Acquisition	
Knowledge - Students will: <ul style="list-style-type: none">Construction terminology used in interior finishingSafety and usage procedures for the rotary drywall toolProcedures for installing different types of insulationProcedures for different types of interior paintingProcedures for applying drywall compoundProcedures for installing vapor barriers Reasoning - Students will: <ul style="list-style-type: none">	Skills - Students will: <ul style="list-style-type: none">Apply basic construction concepts toApply basic construction concepts to rough in a door openingSafely use a reciprocating sawDescribe the function and installation procedures for different types of sheathingEstimate costs of materials for an interior finishing project
Common Misunderstandings <ul style="list-style-type: none">Inability to do mathIlliteracy in either or both reading and writingWhere to start roughing an interior finishing project based upon the type of job assignedDeciding on the correct tools for the job	Essential new vocabulary <ul style="list-style-type: none">