

Anoka-Hennepin Secondary Curriculum Unit Plan

Department:	Technology Education	Course:	Carpentry for the Future Homeowner	Unit Title:	Construction Principles: Roof Systems	Grade Level(s):	9-12
Assessed Trimester:		Pacing:	3-5 Days	Date Created:		Last Revision Date:	11/2014

Course Understandings: <i>Students will understand:</i> <ul style="list-style-type: none">Different foundation, floor, wall and roof systems and how they are constructed.
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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">Standards for Technological Literacy Chapters 3, 6 and 7	
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: <ul style="list-style-type: none">What the different types of roofs areHow to install asphalt shingles	Essential Question(s): Students will keep considering: <ul style="list-style-type: none">What holds the water out of my home?How important is the roof system?
Acquisition	
Knowledge - Students will: <ul style="list-style-type: none">Know different roof types and parts of a roofing system Reasoning - Students will: <ul style="list-style-type: none">	Skills - Students will: <ul style="list-style-type: none">Correctly install asphalt shinglesDetermine how much roofing material is needed on a specified roofCorrectly identify different roof typesDetermine roof pitchEstimate roofing materialsDefine slope and pitch

Common Misunderstandings <ul style="list-style-type: none">I don't need to know how to roofI already know thisThere is only one type of roof	Essential new vocabulary		
	<ul style="list-style-type: none">TrussRafterSlope	<ul style="list-style-type: none">PitchValleyGable	<ul style="list-style-type: none">FasciaRidgeHipDormer