

Anoka-Hennepin Secondary Curriculum Unit Plan

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

Course Understandings: <i>Students will understand:</i> <ul style="list-style-type: none">The different types of heating and cooling systems.

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">How to choose the correct heating system	Essential Question(s): Students will keep considering: <ul style="list-style-type: none">What are the pros and cons of each type of heating systems?How do I choose a system?How does the quality of a home’s insulation affect heating and cooling?
Acquisition	
Knowledge - Students will: <ul style="list-style-type: none">Know what are the different types of heating systemsKnow what are the factors in determining which system is best for a given situation Reasoning - Students will: <ul style="list-style-type: none">	Skills - Students will: <ul style="list-style-type: none">Choose the best form of heating for a given room/houseMaintain a heating and cooling system

Common Misunderstandings <ul style="list-style-type: none">There is only one type of heating – Forced Air	Essential new vocabulary <ul style="list-style-type: none">Forced airRadiant HeatHeat PumpCondenser and CoilSeer factorAir Exchanger
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