

Anoka-Hennepin Secondary Curriculum Unit Plan

Department:	Technology Education	Course:	Carpentry for the Future Homeowner	Unit Title:	Construction Principles: Foundations	Grade Level(s):	9-12
Assessed Trimester:		Pacing:	1-3 Days	Date Created:		Last Revision Date:	11/2014

Course Understandings: <i>Students will understand:</i> <ul style="list-style-type: none">Different foundations and how they are constructed.

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 foundation systems are	Essential Question(s): Students will keep considering: <ul style="list-style-type: none">How does a home stay level and square?What supports my home?
Acquisition	
Knowledge - Students will: <ul style="list-style-type: none">Know key components within a building’s foundation Reasoning - Students will: <ul style="list-style-type: none">	Skills - Students will: <ul style="list-style-type: none">Correctly identify foundation componentsExplain footing requirements and how to build footing formsExplain foundation insulation and waterproofing proceduresEstimate concrete materials required for a specific area

Common Misunderstandings <ul style="list-style-type: none">I don’t need to know this to frame a home or deck	Essential new vocabulary <ul style="list-style-type: none">Anchor boltBatter boardsFootingsReinforcedCementConcrete blockRe-RodMesh
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