

Anoka-Hennepin Secondary Curriculum Unit Plan

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

Course Understandings: <i>Students will:</i> <ul style="list-style-type: none">Develop an understanding of Construction Materials.
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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">There are choices that need to be made regarding materials used in maintaining a residential houseThe difference between nominal and actual sizes in lumberWhere certain types of building materials to be used when constructing a homeWhat are considered common building materialsStructural materials and their advantages/disadvantages	Essential Question(s): Students will keep considering: <ul style="list-style-type: none">What do I use for sheathing? Plywood or oriented strand board?Why is the nominal size not same as the actual size in lumber?What types of materials are available to me to promote the best use of our resources?
Acquisition	
Knowledge - Students will: <ul style="list-style-type: none">Be able to identify common building materials Reasoning - Students will: <ul style="list-style-type: none">	Skills - Students will: <ul style="list-style-type: none">Recognize and name common defects in lumberExplain plywood, hardboard, OSB, and particle board grades and usesDescribe pros & cons when selecting differing materialsIdentify and describe the use of common building materialsRecognize types of engineered lumber and list their uses and advantages
Common Misunderstandings <ul style="list-style-type: none">Any material will work	Essential new vocabulary <ul style="list-style-type: none">OSB Oriented strand boardPlywoodEngineered wood