

Anoka-Hennepin Secondary Curriculum Unit Plan

Department:	Technical Education	Course:	Design and Manufacturing	Unit Title:	Safety	Grade Level(s):	8
Assessed Trimester:		Pacing:	All Year	Date Created:	2/28/2013	Last Revision Date:	6/27/2013

- Course Understandings:** *Students will understand that:*
- A technologically literate person understands the significance of technology in everyday life
 - Inventions and innovations from various times in history effect technological development in society and history
 - Learning about design and manufacturing technologies will introduce students to career opportunities.
 - Manufacturing requires safe and responsible use of technology

DESIRED RESULTS (Stage 1) - WHAT WE WANT STUDENT TO KNOW AND BE ABLE TO DO?

Established Goals	
Standard and Benchmark Mastery <ul style="list-style-type: none">• Standard STL #12 Students will develop the abilities to use and maintain technological products and systems.• High Priority – Students must know:<ul style="list-style-type: none">12-I Students will understand that tools, materials, and machines are to be used safely12-H Students will understand that information about proper usage is provided in manuals or from experienced individuals to understand how things work12-K Operate and maintain systems in order to achieve a given purpose• Medium Priority – Students should know:• Low Priority – It is nice for students to know:	
Transfer	
Students will be able to independently use their learning to: (product, high order reasoning) <ul style="list-style-type: none">• 12-S, Understand tools machines and materials• 12-S, Understand how tools and machines operate• 12-S, Perform hand tool and machine operation safely• 12-S, Produce a project using hand tools and machines	
Meaning	
Unit Understanding(s): Students will understand that: <ul style="list-style-type: none">• Manufacturing requires safe and responsible use of technology	Essential Question(s): Students will keep considering: <ul style="list-style-type: none">• I will wear all my PPE• I can use tools safely• I can behave safely in the shop
Acquisition	
Knowledge - Students will:	Skills - Students will:

<ul style="list-style-type: none">● 12-S, Understand tools machines and materials Reasoning - Students will: <ul style="list-style-type: none">● 12-S, Understand how tools and machines operate	<ul style="list-style-type: none">● 12-S, To be able to perform hand tool and machine operation safely

Common Misunderstandings <ul style="list-style-type: none">● My “dad” has this machine at home● Only other people get hurt● Why do I need to know this stuff?	Essential new vocabulary <ul style="list-style-type: none">● PPE personal protection equipment● hearing protection● guard● guide● throat plate● safety zone● push stick● miter gauge
--	--