

Anoka-Hennepin Secondary Curriculum Unit Plan

Department:	Technology Education	Course:	Creative Innovations	Unit Title:	Electricity	Grade Level(s):	8
Assessed Trimester:	Tri 3	Pacing:		Date Created:	2/27/2013	Last Revision Date:	2/27/2013

Course Understandings: <i>Students will understand that:</i> <ul style="list-style-type: none">A technologically literate person understands the significance of technology in everyday life.The use of technology has impacts and consequences both desirable and undesirable.Inventions and innovations from various times in history effect technological development in society and history.Manufacturing requires safe and responsible use of technology.
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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 #19 Students will develop an understanding of and be able to select and use manufacturing technologies.<ul style="list-style-type: none">19-f Students will understand that manufacturing systems and processes change the form of materials. F19-g Students will understand that manufactured goods may be classified as durable and non-durable (G)19- h Students will understand that manufacturing will include the designing, developing, and producing products and systems. (H)Standard STL #12 Students will develop the abilities to use and maintain technological products and systems.<ul style="list-style-type: none">12-H Students will understand that information is provided in manuals or experienced individuals to understand how things work.12-I Students will understand that tools, materials, and machines are to be used safely.12-J Students will understand that computers and calculators are used in numerous applications.	
Transfer	
Students will be able to independently use their learning to: (product, high order reasoning) <ul style="list-style-type: none">X 19-T, P Create a product using manufacturing processesX 19-P, P Produce a product or system through design, developing and manufacturingX 12-P Produce a project using hand tools and machines	
Meaning	
Unit Understanding(s): Students will understand that: <ul style="list-style-type: none">Material for projects can vary from project to project or design to designThere are different processes involved in producing materialThat varying designs require different materials to produce	Essential Question(s): Students will keep considering: <ul style="list-style-type: none">I can select proper materials for my projectI can choose and explain different processesI can build a quality product design
Acquisition	
Knowledge - Students will: <ul style="list-style-type: none">19-P Understand that manufacturing systems and processes change the form of materials19-P Understand that manufactured goods may be classified as durable and non-durable	Skills - Students will: <ul style="list-style-type: none">19-P Carry out manufacturing through designing, developing and producing products and systems19-P Explore goods as durable and non-durable

<ul style="list-style-type: none">● 19-P Understand that manufacturing will include design, developing and producing products and systems Reasoning - Students will: <ul style="list-style-type: none">● 19-P Organize manufacturing through design, developing and producing products and systems● 19-P Organize goods as durable and non-durable● 19-P Evaluate manufacturing systems and processes	

Common Misunderstandings <ul style="list-style-type: none">●	Essential new vocabulary <ul style="list-style-type: none">●
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