

Elective Course Description

Course Name	Community Maintenance I
Course Number	TBD
Length of Course	One Semester
Grade Level	7-8, 9-12
Credit Type	0.5 Elective Per Semester
Grading Scale	A-F
Course Prerequisite	None
Course Summary	<p>This course is for students to learn skills required to plan and execute any common type of maintenance project that any adult may need to do in their home or living space. These projects include but are not limited to: cleaning, groundskeeping, patching and painting; plumbing, electrical, vehicle, woodstove and chimney maintenance.</p> <p>It will help students develop skills to organize tools and workspaces and plan and estimate projects and their costs.</p> <p>It is an opportunity to put maintenance skills to practice within the community in cooperation with SISD Maintenance and SISD Teacher Housing.</p>
Primary Materials	<p>Thorne Bay School Workshop and its tools.</p> <p>SISD Housing</p> <p>Project specific tools and materials based on the week's project.</p>
Standards	

Assessment	

Activities	
Week	Activities
<u>Week 1</u> <i>Workspace and Supplies:</i> <ul style="list-style-type: none"> <input type="checkbox"/> <i>Workshop</i> <input type="checkbox"/> <i>Workshop tools</i> <input type="checkbox"/> <i>Air Compressor with blower attachment</i> <input type="checkbox"/> <i>Grinding wheel</i> <input type="checkbox"/> <i>Wet Stones</i> <input type="checkbox"/> <i>WD-40</i> <input type="checkbox"/> <i>CLP</i> <input type="checkbox"/> <i>Rags</i> <input type="checkbox"/> <i>Shop Vac</i> <input type="checkbox"/> <i>Brooms and Dustpans</i> 	Tool maintenance and safety. <ol style="list-style-type: none"> 1. Worksite safety <ol style="list-style-type: none"> a. PPE b. "A safe workspace is a clean workspace" 2. How to organize, clean and sharpen tools. <ol style="list-style-type: none"> a. Where tools belong in the shop b. Where tools belong in tool boxes c. Put it back after you use it/one tool at a time. d. Air Compressor Operation e. Dust, Dirt and Rust removal f. Dust, Dirt and Rust prevention g. Grinder and Sharpening Stone Operation h. Sharpening blades i. Sharpening bits 3. How to keep a safe and clean work site. <ol style="list-style-type: none"> a. Shop vac operation b. Broom and Dustpan Operation c. Garbage collection and disposal d. Surface cleaning e. Rag collection and washing

<p>Week 2</p> <p>Workspace and Supplies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Workshop/Classroom <input type="checkbox"/> Sand Paper <input type="checkbox"/> Orbital Sander <input type="checkbox"/> Drywall saw <input type="checkbox"/> Spackle <input type="checkbox"/> Spackle Knife <input type="checkbox"/> Drywall tape/patching <input type="checkbox"/> Trim Caulking <input type="checkbox"/> Caulk Gun <input type="checkbox"/> Primer <input type="checkbox"/> Orange Peel <input type="checkbox"/> Paint <input type="checkbox"/> Drop Cloth <input type="checkbox"/> Paint Brush <input type="checkbox"/> Roller Brush and Pan kit <p><u>Possible Field Trip:</u></p> <ul style="list-style-type: none"> -JS Supply Craig -Thorne Bay Hardware -SISD Maintenance Building 	<p>Project Planning</p> <ol style="list-style-type: none"> 1. How to plan a project considering tools, materials, cost and time estimates. <ol style="list-style-type: none"> a. What is the problem that needs to be fixed, replaced or maintained? b. Which materials are needed to fix, replace or maintain the problem? <ol style="list-style-type: none"> i. What are your limitations? <ol style="list-style-type: none"> 1. budget 2. availability ii. What are your compromises? c. Which tools are needed to fix, replace or maintain the problem? <ol style="list-style-type: none"> i. What are your limitations? <ol style="list-style-type: none"> 1. Availability ii. What are your compromises? <p>Skill of the Week: Patch and Paint</p> <ol style="list-style-type: none"> 1. Common scuffs, rips, and holes that can be patched in a home wall or ceiling and how to patch them. <ol style="list-style-type: none"> a. materials and tools needed b. How to: <ol style="list-style-type: none"> i. repair and spackle small holes or scuffs ii. patch drywall holes iii. spackle, texture, prime and paint repair patches 2. Painting a room <ol style="list-style-type: none"> a. materials and tools needed b. How to: <ol style="list-style-type: none"> i. prep a room for painting (ground cloth and taping) ii. painting edges iii. primers iv. paint/rolling walls
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<u>Possible Community Painter Contact:</u>	
Week 3	<i>Community Project</i>
Week 4	Skill of the Week: Surface Washing
Week 5	<i>Community Project</i>
Week 6	Skill of the Week: Plumbing: Sinks, Toilets and Hoses
Week 7	<i>Community Project</i>
Week 8	Skill of the Week: Cutting, Chopping and Stacking Wood
Week 9	<i>Community Project</i>
Week 10	Skill of the Week: Vehicle Maintenance
Week 11	<i>Community Project</i>
Week 12	Skill of the Week: Electrical Maintenance
Week 13	<i>Community Project</i>
Week 14	Skill of the Week: Grounds Keeping
Week 15	<i>Community Project</i>
Week 16	Skill of the Week: Wood Stove and Chimney Maintenance