



Mount Horeb Area School District Essential Learning Outcomes

Grade: 9-12		Course: Art Metals and Glass II		
Course Overview: Over the course of the semester, we will expand on metal and glass skills and techniques. Metals and Glass students will also participate in classroom critiques after every project is completed.				
Unit Title and Description	Standards	Essential Learning Outcomes Students will be able to...	Lessons	Assessments
Copper Etched Double Band Ring Students will review how to saw, file, sand, and shape their piece of copper before learning how to etch. Once they have etched their design into their piece of copper, they will finish their band ring.	VA: Cr2.2 VA: Cr3.1	...use a scribe to etch copper ...create a ring that can be used to “fidget” with or ease anxiety	Introduction/PPT Teacher Demos throughout lesson (sawing, filing, sanding, and rounding, etching, soldering) Final ring project	Observation, Rubric, Written critique, Teacher feedback (verbal or written)
Precious Metal Clay Students will manipulate PMC to make a piece of jewelry (usually a necklace charm), fire the PMC in the jewelry kiln, then buff and patina their PMC to finish the piece.	VA: Pr6.1 VA: Cr3.1	...use Precious Metal Clay to create a three dimensional piece of jewelry	Introduction/PPT Teacher Demo (clay tools) Practice with clay Final PMC Project	Observation, Rubric, Written critique, Teacher feedback (verbal or written)
Glass Ornaments Elaborating on their skills of glass bead making, students will learn how to heat up glass tubes and blow them out to creating amazing (and hopefully symmetrical) ornaments. After cooling, students will cut ornaments to size and finish with a topper.	VA: Cr2.1 VA: Cr3.1	...identify glass frit and use it to create a colorful glass ornament ...melt glass and manipulate it with their breath and gravity to stretch and form a glass ornament	Introduction/PPT Teacher Demo (ornament) Final Glass Ornament Project	Observation, Rubric, Written critique, Teacher feedback (verbal or written)



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Stained Glass Jewelry Boxes Students will create a small box out of glass that can hold jewelry or small knick knacks! This will expand on the student's knowledge of stained glass that they learned about in Jewelry I. Students will solder glass together to create a box complete with a hinged lid!	VA: Pr4.1 VA: Cr3.1	...use a solder iron to solder a three dimensional structure out of glass ...create a working hinge	Introduction/PPT Teacher Demo (how to solder a 3D piece) Final Stained Glass Project	Observation, Rubric, Written critique, Teacher feedback (verbal or written)
Glass Bead Loom Bracelets Students will learn how to use a loom to create a bracelet out of seed beads. Bracelets will demonstrate the student's knowledge of color and pattern. We will use clasps or leather to complete the bracelets.	VA: Re.7.2 VA: Cr3.1	...create a pattern using colored beads ...weft a loom ...weave beads onto a loom	Introduction/PPT Student sketches, choose beads Teacher Demo (how to weft a loom, how to create bracelets) Final loom bracelet project	Observation, Rubric, Written critique, Teacher feedback (verbal or written)