Unit 7: Transparent material - glass and resin

Content Area: **Art**
Course(s): **Art Experience, Jewelry Design 1**
Time Period: **March**
Length: **10 blocks**
Status: **Published**

Enduring Understandings

- Glass can be a highly unpredictable material to work in resulting in unexpected creative results.
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- An artist's inspiration is a blend of experiences and influences.
- Manipulating glass can unpredictable and rewarding in the creation of personal identity

Essential Questions

how does experimentation and exploration lead to creative design?

What material qualities will create sturdy and innovative bezels?

What is a successful self portrait?

How does a 3 D self portrait in jewelry compare to a traditional 2 D self portrait design.

How does the fragility of glass effect jewelry design?

What are the properties of resin?

How can I show personal identity an d meaning through art ?

What makes a successful theme in jewelry?

Content

microscope slides, copper foil tape, soldering irons, lead free solder, flux, patina, bezels, resin, two part epoxy,steel wool, bails, pendant, tinned jump rings, bevel, cabochons, sal ammoniac block, thermstat, third hand, wood clamp, protective glasses,

Field Trip:

Rainbow art glass or Folio Art Glass offer dichroic glass fusing workshops that involve glass firing in a kiln. Students will get hands on workshop and demonstrations of a working glass studio and its processes . They will also hab=ve the opportunity to create pendants using dichroic fused glass

Skills

create a proposal for a series of foiled glass elements to show personal identity through finished jewelry

demonstrate foiled solder techniques through the creation of finished jewelry

design innovative and creative bezels for unique resin jewelry

demonstrate understanding of proper resin curing

demonstrate correct safety procedures

demonstrate the understanding of the properties of dichroic glass through the completion of a pendant

understand various adhesive properties through the applications of findings

critique jewelry of contempory glass artists including but not limited to Tim Dorland and Yvonne Yaar in a written evaluation and discussion

research contemporary glass artists and their relevance to contemporay and historical crafts

Resources

Student materials kit includes

round nose pliers
chain nose pliers
flat nose pliers

Bent chain nose

Side cutter

6 mini files set

Jewelers saw

Bench pin

Safety goggles

Sandpaper 8 grits package

Toothbrush

Classroom tools
forming pliers
side and flush cutters, snips
crimping pliers
findings--jump rings, crimps, lobster claw, earring wires, crimp covers, spring rings, toggles, cones, beads, found objects, bench block, nylon jaw pliers for wire
wire gauge,headpins and eyepins, resin, etching materials, patina, sheet metal, helicopter punch,

Copper and nickel wire, mandrels, multiple hammers, stamps, sponges, steel wool, pickle pot, enameling kiln, microwave glass kiln, spray booth for varnishes and sealers, various oven baked polymer clay, toaster oven, solder, butane torch, kiln brick flux, rubber cement, drill press, copper tongs, self locking tweezers
sketchbooks

Safety Goggles (When needed)

Chromebooks and smartphones for student research and esl programs
Printer for photos, templates and artwork

Teacher pinterest acct. with technique examples
Pinterest groups -- idea for examples and business branding, sales

Reference Books-- Teacher's personal classroom library

"Making Etched Jewelry- Techniques and Projects,Step by Step"--- Kris Robinson and Ruth Rae

"PATINA 300+ Coloration Effects for Jewelers & Metalsmiths"----- Matthew Runfola
"Stamped Metal Jewelry- Creative Techniques & Designs for Making Custom Jewelry"---- Lisa Niven Kelly
“ New Stamped Metal Jewelry” --Lisa Niven Kelly and

"Making Metal Jewelry"---- Tim McCreight

"Metal Artists’ Workbench"---- Thomas Mann

Youtube instructional videos by Jewelry Artists

Classroom samples and models

Color wheel, sketchbooks
Previous student examples
“Jewelry artist” magazines
www.JewelryMakingDaily.com
www.beaducation.com

Standards

NJ: Grade 12
9.1 21st-Century Life & Career Skills
F. Accountability, Productivity, and EthicsShow details
9.1.12.F.2 Demonstrate a positive work ethic in various settings, including the classroom and during structured learning experiences.

VPA.1.1.12	All students will demonstrate an understanding of the elements and principles that govern the creation of works of art in dance, music, theatre, and visual art.
VPA.1.1.12.D	Visual Art
VPA.1.1.12.D.1	Distinguish innovative applications of the elements of art and principles of design in visual artworks from diverse cultural perspectives and identify specific cross-cultural themes.
VPA.1.1.12.D.2	Translate literary, musical, theatrical, and dance compositions by using them as stimulus/inspiration for corresponding visual artworks.
VPA.1.3.12	All students will synthesize those skills, media, methods, and technologies appropriate to creating, performing, and/or presenting works of art in dance, music, theatre, and visual art.
VPA.1.3.12.D	Visual Art
VPA.1.3.12.D.1	Synthesize the elements of art and principles of design in an original portfolio of two- and three-dimensional artworks that reflects personal style and a high degree of technical proficiency and expressivity.
VPA.1.3.12.D.2	Produce an original body of artwork in one or more art mediums that demonstrates mastery of visual literacy, methods, techniques, and cultural understanding.