



School District of Marshfield

Course Syllabus

Course Name: Beginning 3-Dimensional Design

Length of Course: Semester

Credits: ½ Credit

Course Description: Students in this course will be introduced to a large variation of media relating to 3-dimensional Arts. Mediums may include plaster, wax, clay, wire, metals, fibers, stone and cardboard. This class serves as a foundation for all courses in art, specifically Sculpture, Jewelry, Art Metals, Ceramics and Design Classes. Students will understand the importance of the visual arts in our shared human experience.

Skill Targets

- Understand the properties of clay
- Use carving techniques to create low relief clay tiles
- Use additive and subtractive techniques to create sculptural forms
- Demonstrate sawing, filing, sanding and polishing techniques in copper and brass
- Use enamels to add color and focus to works of metal
- Understand basic metal types and properties
- Connect metal elements using cold connections
- Create sculpture with an emphasis on personal identity
- Research 3-dimensional artists, including Joseph Cornell and Andy Goldsworthy
- Study visual and physical symbolism, including Indian mudras and American sign language
- Understand form and shape of the human form by creating hand castings in plaster
- Use found objects to create 3-dimensional forms with deep meaning

Topic/Content Outline-Units and Themes:

1. Understanding Shape and Form in A 3-Dimensional World (1 week)
 - A. Study Masters of Art
 - B. Creating Shape and Form/Daily Studies
2. Architecture and Space: Low Relief Clay (4 Weeks)
 - A. Monogram Study: Practicing Subtractive Carving Techniques
 - B. Slab Rolling
 - C. Clay Tools and Their Uses
 - D. Creating a Dynamic Composition: Collage Design
 - E. Study Architecture of the World (Greek, Roman, Gothic, Modern)
 - F. Architecture and Important Buildings of Marshfield and Wisconsin

- G. Applying Surface Enrichment: Metallic Paints, Patinas and Rub N Buff
3. Metals and Jewelry (2 weeks)
 - A. Basic Metallurgy
 - B. Learning to Saw, File and Sand
 - C. Working With Wire: Wire Wrapping Techniques
 - D. Cold Connections
 - E. Adding Color with Enamels
 - F. Final Finish Techniques
 4. Found Objects and Assemblage Sculpture (4 weeks)
 - A. Study Joseph Cornell and Lucas Samaras
 - B. Identity Boxes and Personal Symbolism
 - C. Assemblage and Found Objects
 - D. Study Louise Nevelson
 5. The Human Form: Symbolic Hands (1 weeks)
 - A. Study and Understand Mudras
 - B. Giacometti and the Human Form
 - C. Understand Symbolism and American Sign Language
 6. Figure/Movement/Fantastic Sculptures (3 weeks)
 - A. Papier Mache or Plaster Cloth
 - B. Studying Movement and Rhythm
 - C. Studying Emotion and Ways to Portray Emotion
 - D. Use Additive Techniques in Creating 3-Dimensional Forms
 7. Plaster Carving (3 weeks)
 - A. Subtractive Techniques in Plaster
 - B. Creating Molds and Models
 - C. Carving Tools and Safety
 - D. Study Henri Moore

Resources:

- *The Complete Greek Temples*, Tony Spawforth, Thames & Hudson Ltd, London 2006
- *The Story of Architecture*, Jonathan Glancey, Dorling Kindersley Ltd, 2000
- *3-D Wizardry: Design in Papier-Mache, Plaster and Foam*, George Wolfe, Davis Publications, 1995
- *Sculpture as Experience: Working with Clay, Wire, Wax, Plaster and Found Objects*, Judith Peck, Krause Publications, 1989
- *Handbuilt Ceramics*, Kathy Triplett, Lark Books, 2000