

## 3-D DESIGN & SCULPTURE III

LENGTH OF TIME: Semester course  
Meets daily for 90 minutes

GRADE LEVEL: 10-12

### COURSE STANDARDS:

Students will:

1. Recognize the functions of art in societies past and present. (NVAS 1,4; PA Academic Standard 9.1.12.b;9.2.12.a,b,c,d,f);
2. Explain the significance of development and change in the 3-dimensional art of Western and Non-western cultures. (NVAS 4,5; PA Academic Standard 9.1.12.a,b,c,d,e,f,g,j,k; 9.3.12d);
3. Identify major characteristics of the various periods and cultures of art that are studied. (NVAS 4,5; PA Academic Standard 9.1.12.d; 9.2.12a,b,c,d,e,f,g,j,k; 9.3.12.g);
4. Understand the importance of art history, art criticism, and aesthetics in the studying of works of art. (NVAS 3,4,5; PA Academic Standard 9.1.12.b; 9.2.12.a,b,c,d,e,f,g,j,k; 9.3.12.d);
5. Evaluate and respond critically to works of art from various individuals and cultures (written, oral, or visual). (NVAS 2,3,4,5,6; PA Academic Standard 9.1.12.a,b,c; 9.2.12a,b,c,d,e,f,g,j,k; 9.3.12.a,b,c,d,e,f,g; 9.4.12.a,b);
6. Demonstrate critical thinking skills in producing three-dimensional works of art. (NVAS 1,2; PA Academic Standard 9.1.12.a,b,c,d,e);
7. Demonstrate skills and creative problem solving in the production of three-dimensional works appropriate for the student's level of ability in the following areas: (NVAS 1,2; PA Academic Standard 9.1.12.a,b,d,e,f);
  - a) Ceramic hand building techniques
  - b) Additive clay sculpture
  - c) Pottery wheel techniques
  - d) Subtractive sculpture
  - e) High-relief sculpture
  - f) Assemblage sculpture
  - g) Casting and/or fabrication techniques
8. Understand and apply concepts inherent to sculpture problems both subtractive and additive. (NVAS 1,2; PA Academic Standard 9.1.12.a,b; 9.3.12.a);
9. Demonstrate knowledge of safety and toxicological considerations of all sculptural processes used in class. (NVAS 1; PA Academic Standard 9.1.12.h);
10. Examine the contributions of three-dimensional art forms to business, industry, culture, education, and the professions. (NVAS 6; PA Academic Standard 9.1.12.j,k; 9.3.12.b,g);
11. Further develop verbal and written communication skills (NVAS 1,3,4; PA Academic Standard 9.2.12.j; 9.3.12.a,b,c,e,f);
12. Demonstrate appropriate social skills when working individually and in cooperative learning structures (PA Academic Standard 9.1.12.h).

## RELATED PA ACADEMIC STANDARDS FOR ARTS AND HUMANITIES

- 9.1 Production, Performance and Exhibition of Dance, Music, Theatre and Visual Arts
  - A. Elements and principles in each Art Form
  - B. Demonstration of Dance, Music, Theatre and Visual Arts
  - C. Vocabulary Within each Art Form
  - D. Styles in Production, Performance and Exhibition
  - E. Themes in Art Forms
  - F. Historical and Cultural Production, Performance and Exhibition
  - G. Function and Analysis of Rehearsals and Practice Sessions
  - H. Safety Issues in the Arts
  - J. Technologies in the Arts
  - K. Technologies in the Humanities
- 9.2 Historical and Cultural Contexts
  - A. Context of Works in the Arts
  - B. Chronology of Works in the Arts
  - C. Styles and Genre in the Arts
  - D. Historical and Cultural Perspectives
  - E. Historical and Cultural Impact on Works in the Arts
  - F. Vocabulary for Historical and Cultural Context
  - G. Geographic regions in the arts
  - J. Historical differences of works in the arts
  - K. Traditions within works in the arts
- 9.3 Critical Response
  - A. Critical Processes
  - B. Criteria
  - C. Classifications
  - D. Vocabulary for Criticism
  - E. Types of Analysis
  - F. Comparisons
  - G. Critics in the Arts
- 9.4 Aesthetic Response
  - A. Philosophical Studies
  - B. Aesthetic Interpretation

## NATIONAL VISUAL ART STANDARDS:

1. Understanding and applying media, techniques, and processes;
2. Using knowledge of structures and functions;
3. Choosing and evaluating a range of subject matter, symbols, and ideas
4. Understanding the visual arts in relation to history and cultures;
5. Reflecting upon and assessing the characteristics and merits of their work and the work of others;

6. Making connections between visual arts and other disciplines.

#### PERFORMANCE ASSESSMENTS:

Students will demonstrate achievement of the standards by:

1. Demonstrating the ability to think and respond creatively. (Course Standard 4,5,6,7,8)
2. Demonstrating the ability to respond critically to work of art, in writing and orally, using the critical analysis format. (Course Standard 1,2,3,4,5,10,11)
3. Developing art works that are sculptural in nature that include subtractive and additive concepts. (Course Standard 6,7,8)
4. Demonstrating the ability to meet all expectations, criteria, and objectives for each lesson at a proficient level. (Course Standard 6,7,8,9)
5. Demonstrating excellent craftsmanship and precise technical skills. (Course Standard 6,7,8)
6. Mastering a vocabulary related to advanced sculptural processes and their properties as applicable in each unit of study. (Course Standard 1,2,3,4,5)
7. Demonstrating manipulative and organizational skills in art performance appropriate for his or her level. (Course Standard 6,7,8)
8. Maintaining a portfolio of work completed for each unit of study. (Course Standard 6,7,8)
9. Completing self-assessment (performance, creative growth and development, problem solving ability, and craftsmanship of work). (Course Standard 6,7,8,11)
10. Participating in additional assessments will include quizzes, test, class work, homework, journals, class participation, and teacher observation/assessment. (Course Standard 1,2,3,4,5,10,11,12)

#### DESCRIPTION OF COURSE:

The objective of this course is to allow the student the opportunity to continue developing skills related to sculptural processes and three-dimensional design as introduced in 3-D Design & Sculpture I and II. New techniques and mediums will also be explored; however, students will have the opportunity to concentrate in specific areas such to gain a thorough understanding of the skill and/or medium. Art history, criticism, and aesthetics will continue to be an essential part of the studio experience.

#### TITLES OF UNITS:

1. Ceramics - Additive process - 3 weeks
2. Ceramics - Subtractive process - 3 weeks
3. Subtractive process using a non-clay material such as soapstone or wood - 5 weeks
4. Modeling technique - 3 weeks
5. Assemblage method - 2 weeks
6. Casting and/or fabrication technique(s) - 2 weeks

#### SAMPLE INSTRUCTIONAL STRATEGIES:

1. Problem solving tasks
2. Critical thinking

3. Research activities
4. Writing activities
5. Cooperative learning activities
6. Peer coaching
7. Peer critique and assessment
8. Computer assisted learning
9. Discussions and brainstorming
10. Demonstrations and instruction

#### MATERIALS:

1. Necessary equipment and supplies for each unit of study (refer to lesson plans for specifics)
2. Teacher designed handouts, lesson plans, and examples of artwork
3. Relevant text references (see individual lesson plans for bibliography)
4. Internet references (see individual lesson plans for bibliography)
5. Museum and gallery collections
6. Field trips
7. Integrated units of study (interdisciplinary planning)
8. Professional speakers from the art field
9. Brommer, Gerald F. *Discovering Art History*, Davis Publishing, Inc., Worcester, Massachusetts, 1982.
10. Kleiner, Fred S, Christin J. Mamiya, and Richard G. Tansey. *Gardner's Art Through The Ages*, 11<sup>th</sup> ed. San Diego: Harcourt College, 2001. [www.hbcollege.com](http://www.hbcollege.com)
11. Williams, Arthur. *SCULPTURE: Technique, Form, Content*, Davis Publishing Company, Inc., Worcester, Massachusetts, 1995.

#### METHODS OF ASSISTANCE AND ENRICHMENT:

1. Additional studio hours
2. Guest artists/speakers
3. PHS Gallery exhibits
4. Field trips

#### METHODS OF EVALUATION:

1. Teacher assessments – Formal and informal
2. Student assessments – Self and peer
3. Worksheets and checklists
4. Individual projects
5. Group projects
6. Rubrics and standards for communications (visual arts) assessment
7. Tests and quizzes
8. Self-assessments and teacher evaluations
9. Class critiques

#### INTEGRATED ACTIVITIES:

1. Concepts

- Sculptural fundamentals: Technique, form, and content
  - Elements of Design
  - Principles of Order
  - Styles
  - Methods
  - Materials
  - Subject
  - Origins
  - Analysis
2. Communication
- Exchange information (orally, written, and visually);
  - Compose and make presentations related to each unit of study;
  - Produce, perform, and exhibit work;
  - Write and produce work for a variety of purposes (narrate, inform, persuade);
  - Describe meanings of works of art (analysis of self and others).
3. Thinking/Problem Solving
- Analyze and make critical judgments about three-dimensional works of art;
  - Evaluate and respond critically to works of art in each unit of study;
  - Solve problems using appropriate tools, methods, and technology;
  - Show relationships between the culture, historical period, and art work produced during that time.
4. Application of Knowledge
- Use information gained and apply to the creation and completion of quality three-dimensional artworks;
  - Evaluate work based on conclusions drawn and effective communication.
5. Interpersonal Skills
- Learn to develop appropriate cooperative working skills;
  - Learn to respond to advice and criticism from others;
  - Learn to advise and critique work of others in an appropriate manner.