

East Penn School District  
Secondary Curriculum

A Planned Course Statement  
for

**3-D Foundations Ceramics/3-D Design**

Course # 716 Grade(s) 9,10,11,12

Department: Art

Length of Period (mins.) 40

Total Clock Hours: 60

Periods per Cycle: 6

Length of Course (yrs.) 0.5

Type of Offering:      required   ✓   elective

Credit: 0.5

Adopted: 4/23/07

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## Description of Course #

### Course Title: 3-D Foundations Ceramics/3-D Design

**Description:** Students taking Foundations of Ceramics/3-D Design will use handbuilding techniques of clay and various other 3-D materials such as wood, paris craft, and wire to create functional and non-functional forms. 3-D forms will be enhanced by using glazing and painting methods. The historical/cultural importance of ceramics and sculpture is explored. This course satisfies the prerequisite for Ceramics and Level 1 3-D Design and Level 1 Crafts.

#### Goals: Students will

- express ideas using clay, wood, paris craft, wire, mixed media.
- demonstrate an awareness of structure and functions in art.
- demonstrate an awareness of the personally expressive nature of the art process.
- view original works as well as reproductions in order to explore the historical/cultural context in which ceramic/sculpture pieces were created.
- develop a visual and literal vocabulary, which permits assessment and discussion of personal works and the works of others.
- use computer technology as an information resource.
- become aware of careers in the arts.

#### Requirements: Students will

- maintain a sketchbook.
- develop good work habits.
- participate in individual and class critiques.
- design and create ceramic/sculpture forms which exhibit an understanding of the function of art elements and principles.
- express ideas by using the techniques of pinching, slab constructing, coiling, additive/subtractive assemblage processes and armature.
- display finished work.
- read assigned resource materials.

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#### Key to Levels of Achievement (Listed with each learning objective)

Awareness (A):	Students are introduced to concepts, forms, and patterns.
Learning (L):	Students are involved in a sequence of steps and practice activities which involved further development and allow evaluation of process.
Understanding (U):	Students demonstrate ability to apply acquired concepts and skills to individual assignments and projects on an independent level.
Reinforcement (R):	Students maintain and broaden understanding of concepts and skills to accomplish tasks at a greater level of sophistication.

Unit	Num	Objective	Level	Content	Evaluation	Standard
<b>I. Introduction to Ceramics</b>	1	Students will learn the basic properties of clay	A	<ul style="list-style-type: none"> <li>Lecture, demonstration and manipulation of clay</li> </ul>	<ul style="list-style-type: none"> <li>Teacher observation</li> </ul>	9.1.12B,H
	2	Mixed Media Students will learn basic preparation and storage techniques for clay		<ul style="list-style-type: none"> <li>Wedging</li> <li>Clay mixer</li> <li>Recycling</li> <li>Wet storage</li> </ul>	<ul style="list-style-type: none"> <li>Teacher observation</li> </ul>	9.1.12B,H
	3	Students will learn proper terminology with regard to ceramics, sculpture and mixed media forms	L	<ul style="list-style-type: none"> <li>Develop and use appropriate vocabulary in class and written critiques</li> </ul>	<ul style="list-style-type: none"> <li>Teacher observation and project rubric</li> </ul>	9.1.C
	4	Students will learn how to use tools and equipment for all sculptural mediums	L	<ul style="list-style-type: none"> <li>Carving and modeling tools</li> <li>Slab roller</li> <li>Finishing tools</li> </ul>	<ul style="list-style-type: none"> <li>Teacher observation</li> </ul>	9.1.12H
<b>II. Drawing</b>	5	Students will produce sketches for all projects, demonstrating fundamental knowledge of design elements and principles as they apply to 3-D objects	L	<ul style="list-style-type: none"> <li>Use of sketchbook provides developmental record of ideas for classic designs with historical basis, functions vs. non-function, structural considerations, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Teacher-made rubric</li> <li>Individual/class critiques</li> </ul>	9.1.12A
<b>III. Design</b>	6	Students will experiment with spatial relations in 3-D art	L	<ul style="list-style-type: none"> <li>Solve 3-D design problems with positive and negative spaces, repetition, placement as well as size relationships of forms</li> </ul>	<ul style="list-style-type: none"> <li>Class critique</li> <li>Teacher evaluation</li> </ul>	9.1.12A,C,D,E
<b>IV. Construction</b>	7	Students will demonstrate the ability to control materials in creating sculptural forms	L	<ul style="list-style-type: none"> <li>Design and create sculptures by using additive, subtractive and assemblage processes with appropriate materials, such as paper, wire, cardboard, Pariscraft, thin metals, wire mesh, wood, and found objects</li> </ul>	<ul style="list-style-type: none"> <li>Class critique</li> <li>Teacher-made rubric</li> </ul>	9.1.12A,B,H
	8	Students will plan and execute a non-functional sculpture using appropriate materials	L	<ul style="list-style-type: none"> <li>A variety of materials may be used; example: wood, Pariscrafts, wire, ceramics</li> </ul>	<ul style="list-style-type: none"> <li>Teacher made rubric</li> </ul>	9.1.12E
	9	Students will construct examples using basic clay building techniques as a means of solving design problems with an introductory level of proficiency	L	<ul style="list-style-type: none"> <li>Handbuilding techniques include: pinch forms, coil technique, slab construction, and modeling techniques</li> </ul>	<ul style="list-style-type: none"> <li>Teacher made rubric</li> <li>Individual/class critiques</li> </ul>	9.1.12B
	10	Students will construct mixed media forms using appropriate techniques	L	<ul style="list-style-type: none"> <li>Wire, glass, beads, fibers incorporated into a clay form</li> </ul>	<ul style="list-style-type: none"> <li>Teacher rubric</li> </ul>	9.1.12B
<b>V. Decorating</b>	11	Students will explore means of	L	<ul style="list-style-type: none"> <li>Use varied tools and methods in</li> </ul>	<ul style="list-style-type: none"> <li>Teacher evaluation</li> </ul>	9.1.12A,B,H

Unit	Num	Objective	Level	Content	Evaluation	Standard
		texturing the surface of a work		experimental approaches	<ul style="list-style-type: none"> <li>Class critiques</li> </ul>	
	12	Students will apply design concepts to the decorating and glazing processes	L	<ul style="list-style-type: none"> <li>Use surface enrichment techniques as well as oxides, underglazes, paints, and glazes to enhance the forms</li> </ul>	<ul style="list-style-type: none"> <li>Written evaluation</li> <li>Teacher rubric</li> <li>Critiques</li> </ul>	9.1.12A
<b>VI. History</b>	13	Students will examine the historical importance of ceramics, sculptures and mixed media art works	A	<ul style="list-style-type: none"> <li>Reading of resource materials, magazines</li> <li>View museum pieces, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Class discussion</li> <li>Written evaluations</li> </ul>	9.2.12A,B,C,D F,G,H,J
<b>VII. Technology</b>	14	Students will demonstrate the ability to use appropriate technology as a research tool	L	<ul style="list-style-type: none"> <li>Use of internet to research styles and themes in ceramics/sculpture</li> <li>Technology needed: teacher laptop, MS Office, proxima, Adobe Illustrators, Adobe Indesign, Adobe Photoshop, color printer, digital camera, scanner, MacLab laptop</li> </ul>	<ul style="list-style-type: none"> <li>Teacher observation</li> <li>Sketchbook</li> </ul>	9.1.12A,B
<b>VIII. Critique</b>	15	Students will analyze, compare, and contrast the qualities of functional and non-functional forms	A	<ul style="list-style-type: none"> <li>Critical discussions relying real ceramic objects, photos, slides, videotapes, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Teacher evaluation</li> <li>Written analysis</li> </ul>	9.3.112C,A
	16	Students will learn appropriate display techniques	L	<ul style="list-style-type: none"> <li>Create student displays</li> </ul>	<ul style="list-style-type: none"> <li>Classroom critiques</li> <li>Teacher observation</li> </ul>	9.1.12F
	17	Students will describe design qualities in order to critique 3-D pieces	A	<ul style="list-style-type: none"> <li>Develop criteria and vocabulary used in ceramics, which permit criticism and discussion of student works, museum pieces, or reproduction including slides, CD-ROM, Internet sources, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Test</li> <li>Written evaluations</li> <li>Critiques</li> </ul>	9.3.12A,B,D
<b>IX. Citizenship</b>	18	Students will recognize personal responsibility for maintaining classroom cleanliness and safety	U	<ul style="list-style-type: none"> <li>Appropriate care of tools, materials, and environment to create a positive safe work space</li> </ul>	<ul style="list-style-type: none"> <li>Citizenship rubric</li> </ul>	9.1.12H
<b>X. Careers</b>	19	Students will be acquainted with many career possibilities in the arts	A	<ul style="list-style-type: none"> <li>Students meet artists; go to art and craft shows/field trips.</li> <li>Participate in artist-in-residency programs</li> <li>Videos/internet</li> <li>Magazines</li> </ul>	<ul style="list-style-type: none"> <li>Class discussion</li> </ul>	9.1.12J,K 9.2.12 A