

## **Troy High School Course Profile**

**Course Title:** 3D - Design

**Course Prerequisites:** Refer To Registration Presentation

**Course Description:**

This course will provide the student with the knowledge and skills to expand his/her understanding of design theories as they relate to the three-dimensional world. The student will work primarily with paper, wood, and aluminum materials to explore concepts of modularity, sequence and series, relief, contour, structure and symmetry as they relate to the study of forms in nature. Functions of space, volume, mass, plane, and line will be explored. The course will study and analyze sculptural issues through a series of solutions of design problems.

**Students entering this course should already have a mastery of the following concepts and possess the following skills:**

- Open to all students 9-12
- *This class is for the student who loves to build or construct art*
- Basic knowledge of 3-D space. (But not required)

**Workload expectations for this course:**

This class will complete 6-7 in class projects per semester.  
Grade is based on: 50-percent participation & 50-percent projects

## **Troy High School Course Profile**

### **Course Title:**

AP 3D-Design

### **Course Prerequisites:**

This course will emphasize the making of 3-D Design through additive and subtractive processes as an ongoing endeavor, involving the student in an informed, critical and creative decision making. The student will be encouraged to find their own voice working with various approaches figurative and/or nonfigurative sculpture, ceramics, three-dimensional fiber arts, casting, assemblage and construction, jewelry, architectural models among others. Many materials may be used or considered for use in 3-D Design. The student could explore wire, clay, paper, paper clay, styrofoam, foam core, wood, metal, found objects, plastics, wax, stone, earth, sticks, rope, fabric, burlap, threads, yarns, cottons, fibers and so forth. How to use materials and how to present the student's 3-D Design pieces will be a decision for the student as the student demonstrates his/her understanding of the elements and principles of design. The course will teach the student a variety of techniques with a single media or a variety of mediums, so that the student may demonstrate a range of abilities in critical thinking, ideation and problem solving in 3-D Design. The student will regularly take part in class critiques as well as one-on-one critiques with the teacher. This will be done through oral and written discussions. Students will keep record of their research, visual ideas and writing through journals in a sketchbook. Formal vocabulary of design concepts will be demonstrated.

**Students entering this course should already have a mastery of the following concepts and possess the following skills:**

3-D Design

Special Studies 3-D Design

### **Workload expectations for this course:**

Students will meet at a designated time to go over the course outline (as described in the course description using the AP Studio Art Poster). Students will understand the rigorous nature of the portfolio process and that the course is designed to be at a foundation college level class.