

# Montclair High School

## Course Syllabus

**Department: 21<sup>st</sup> Century Skills**

**Course: Introduction to Architecture 350H**

**Level: Honors**

**Credits: 5**

### **Course Description:**

The Introduction to Architecture course begins the process of students learning to translate their architectural ideas into two and three-dimensional form. The technical skills of sketching, drafting, and model building are taught in the context of problem statements that mimic real life possibilities. Two building types are developed in detail, A House for a Blind Man and a Duplex for Two Doctors. In addition short-term projects study structures, material science, and graphic design with the Straw Tower Project, PastaMobile and Deck of Cards. The goal of the course is to become proficient in the technical skills to translate your ideas into a physical form.

### **Standards: 21<sup>st</sup> Century Life and Careers Standards**

- 9.4 Career and Technical Education
- Strand B. Architecture and Construction Career Cluster

**Anchor Text(s):** There is no reference text for the course.

### **Supplementary Materials:**

Handouts, videos, and guest lectures augment the course curriculum of problem statements.

### **Units of Study:**

- House for a Blind Man
- Duplex for Doctors
- Straw Tower Structure
- Pastamobile

### **Proficiencies:**

By the end of this course, students will:

- Initiate and sustain a schematic design process
- Students will be able to explain and document solutions to design problems
- Proficiency 2: Students will develop and refine the ability to deal with the varied criteria of architectural design

### **Evaluation & Assessment:**

- Category Studio Projects 50%
- Category Studio Prep and Work 25%
- Category Tests and Quizzes 25%

Prior to beginning any lab activities, all students must have submitted a Safety Contract which has been duly signed by both the student and their parent/guardian. This contract will be kept on file by the teacher for the duration of the course.