**Civil Engineering and Architecture**

**Class Standards**

**Course Description**

This course provides an overview of the fields of Civil Engineering and Architecture while emphasizing the interrelationship and dependence of both fields on each other. Students use state-of-the-art software to solve real world problems and communicate solutions for hands-on projects and activities. Topics to be studied include: The roles of Civil Engineers and Architects, Project Planning, Building Design, and Documentation and Presentation, Site Selection, Site Plan Layout, Utilities, Landscaping, Water Supply and Wastewater Treatment, Architecture Styles, Floor Plans, Energy Systems, Elevations, Sections and Details, Mechanical Electrical And Protection Systems.

**Essential Standards**

1. Identify and assess the cultural, social, economic, and political effects of technology on the study of civil and architectural engineering.

2. Solve practical engineering problems by applying their knowledge of science, technology and math.

**Student Expectations**

Please Be On Time

Be Respectful to Everyone

No Swearing

Make Your Best Effort All The Time

**Materials Needed**

Textbook and Materials, Handouts, Worksheets and Student Portfolio

**Student Evaluation**

**Students have the opportunity to earn college credit by averaging 85% for both trimesters of the course and scoring high enough on the comprehensive final exam.**

Individual grades earned throughout the term on daily activities and Design Projects

**Fire Alarms & Lockdown**

All students must evacuate the classroom when the alarm sounds.

Stop working and leave as quickly as possible.

Follow all school lockdown procedures

**Attendance**

All current Kennedy High School Attendance Policies will be followed.

**Hall Pass**

Students are expected to have a valid hall pass with them at all times when they are out of class.

No pass during the first 10 minutes or the last 10 minutes of class time.

Students found without a pass will be marked unverified for that class period.

**Reserve Teacher**

The Reserve teacher will be given direction for the class.

Respect is very important when the reserve teacher is here.

A written report will be made for the instructor covering the conduct of the class.