



**SAINT
JOSEPH
PREP**

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CAD 1 Fundamental Design Technology

Grade 11/ 12 elective

This course provides students with a basic understanding of the features and considerations associated with the operation of a computer-aided design (CAD) system. Students will gain valuable hands-on experience using CAD software. Students will use the drafting equipment to experience and understand the speed and the concepts of modern day drafting and will also gain a foundation in manual drafting on the table. Students will be expected to complete weekly projects (increasing in difficulty) relating to command topics covered on a weekly basis. This course provides students with a broad introduction into 2-dimensional and 3-dimensional computer aided design (CAD) (2D & 3D MODELING) with a focus on construction- and architecture- specific applications. Students will learn how to use popular CAD software programs to model construction project. Autocad, Revit, Maya are the software programs that will be used in the class. Each student will create and distribute basic, industry standard architectural drawings as well as mechanical, civil electrical. A student taking this class should be interested in Engineering and Design.