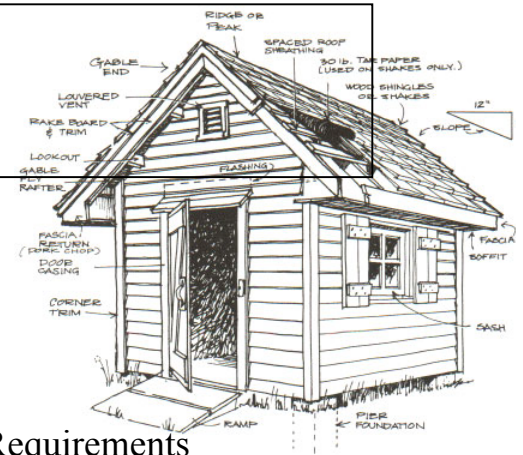


CAD 8

Glen Ridge High School



Objectives

The ability to communicate through the use of graphic images is an essential component of every student's education. If a person is to function effectively in a highly-visual society, they must possess a degree of understanding in communicating and interpreting visual images. By the close of the semester each student will have a basic understanding of AutoCAD applications. Also, students will become aware of the role of a CAD in industry. Therefore, practical (real life) situations will be applied to the topics below. Students who wish to proceed further will enroll in CAD I where they will broaden their knowledge of CAD.

Class Requirements & Grading

Topics That Will Be Covered

1. Introduction to Drawing
 - a. Sketching
 - c. Ruler Measurements (English/Metric)
2. Forming Drawings
 - a. Drawing Tools
 - b. Modify Tools
 - c. Dimensioning
3. Printing/Plotting
 - a. Using a Title Block
 - b. Scaling a drawing
4. Learning Exercises
 - A. Orthographic rectangle
 - B. Oblique solid
 - C. Isometric rectangle
 - D. One point perspective
 - E. Furniture – assign only one
 1. Desk
 2. Bookshelf
 3. Dresser
 - F. Room floor plan – assign only one
 1. Dining room
 2. Bedroom
 3. Living room
 - G. Door and window detail drawing
 1. Front elevation
 - H. Plot plan
 - I. Front elevation of students' own home
5. CAD Careers

Projects

1. MAZE
2. SNOWFLAKE
3. LOGO PROJECT
4. 3D-SKETCHUP
5. FURNITURE
6. ARCHITECTURE

Students are required to work efficiently on each project during the marking period. Points will be docked if projects are not completed by the assigned due date.

Quizzes

Students will be quizzed on information presented in class. Students are encouraged to take notes and to learn CAD terminology.

Notebook

1. Organized and ready to be checked at any time.
2. Retain all drawings for your portfolio.
3. Hand in all drawings on time.
4. Keep this sheet for the first page of your notebook.

Grading

Drawings & Projects 70%
 Quizzes & Notebooks 20%
 Class Participation 10%

Class Participation

Each student will receive a class participation grade based on his or her level of participation during the marking period.