

Pre Engineering & CADD

Syllabus
Lorson 12-13

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OPEN 24-7

Course Description

Pre Engineering & CADD is a course which is a mix between CADD and Technical Manual Drawing. Students will explore and create standardized technical drawings which mimic the careers of architects, interior designers, drafters, design engineers, and related professionals. Students will also work with many hands-on activities to apply their knowledge and create products.

Expectations for Architecture:

1. Students will be required to be in class on time with tools and material ready.
2. Book bags are not permitted you must keep them by the door.
3. Student must purchase a 3 – ring binder to keep notes and projects together in an organized manner.
4. Students are responsible to keep all handout and projects in the binder.
5. Students must keep a running grade sheet that is checked once a week.
6. Students must use tools properly.
7. Great attendance is a must due to the fact that projects that can only be completed in the lab.
8. Students are responsible to make up work ASAP and learn the missed items on your own time.(Seminar, Lunch,etc.)

Expected levels of achievement. The student will be expected to:

1. Appreciate the evolution of industry and technology
2. Establish values on the impact of industry and technology and determine how it alters the environment
3. Develop the ability to properly choose and use tools, techniques, and resources of technological systems.
4. Analyze and design residential building systems
5. Create a scaled models using tools and materials
6. Discuss the future of Mechanical Drafting Technology
7. Sketch simple designs so they can be transferred into a Drafted Format
8. Visualize shapes and angles to produce drawings
9. Measure using 1/16" increments
10. Understand the difference between measurement systems especially metric and standard
11. Utilize CADD to draw technical sketches
12. Solve design problems
13. Evaluate work to check for errors
14. Apply safety measures when working with tools
15. Understand how industry uses CADD and Hand Drafting

Class Procedures

1. Use Class time productively
2. Respect your classmates, Teacher, Equipment, and yourselves
3. Accept responsibility for your own actions
4. Be prepared for class and be seated with materials ready when the bell rings
5. NO FOOD, GUM, OR DRINK IN THE LAB
6. Keep Cell phones turned off, No headphones, No Hats