



Architectural Drafting & Design

Instructor: Matthew Gomillion

Email: Matthew.Gomillion@Marion.K12.FL.US

Phone: (352) 671-4900 ext. 59477

School Hours: 8:35-2:50

<https://www.marionschools.net/vhs> - Teacher Websites - Matthew Gomillion

PROGRAM DESCRIPTION

This program provides students with basic knowledge, skills, and attitudes of drafting & design, including the use of technical drafting equipment and materials, dealing primarily with mechanical drawings and their use. Students will design in 2D and 3D and will use 3D printers to visualize their designs. Students will learn technical skills dealing with architectural drawings, design problems and their use in the construction industry. Students are introduced to computer aided drafting and will design and draw architectural plans such as floor plans, building elevations, sections, electrical plans, roof plans, reflected ceiling plans, etc.

INDUSTRY CERTIFICATION

This program currently gives students the opportunity to earn (2) industry recognized certifications. Furthermore, throughout the course we will be using several additional programs. * Denotes available certification.



*Autocad– Autocad.com

Autocad Architecture

Autodesk Revit

*Solidworks – Solidworks.com

Google Sketchup

Makerbot

ASSESSMENT

Categories and Weights:

NOTEBOOK (10%): Students keep a running portfolio of the designs & drawings that they create. Every 4 ½ weeks, they will receive a grade for their notebook being in proper order.

PARTICIPATION (30%): Weekly participation/professionalism points. This includes but is not limited to: being prepared and on time for class, behavior and respect for individuals and equipment in the room, being on task and engaged in class, and cleaning up work area before leaving.

CLASS WORK (30%): A variety of assignments fall within this category and are listed on the class white board each day as well as due dates. Some examples: hand drawings, CAD drawings, cooperative learning activities, in-class projects, in-class research and writing, formative assessments, etc.

TEST/PROJECT (30%): Summative assessments are given to students every 4 ½ weeks.

MARION COUNTY Schools Grading System: A (90-100) B (89-80) C (79-70) D (69-60) F (59-0)

Late work for any reason is penalized 50%, **zero** credit after **5 days**. **NO LATE WORK IS ACCEPTED AFTER GRADE FINALIZATION.**

BEHAVIORAL EXPECTATIONS/ATTENDANCE

All school polices are expected to be followed. Students are responsible for all information in the Student Code of Conduct Handbook. Please refer to Marion County Public School Code of Student Conduct for more information.

Personal Electronics: This is a blended classroom; assignments are paper-based **and** computer-based. Traditional assignments, activities and research are enhanced by access to the vast information available on the internet; therefore, personal electronics with web access are encouraged but not required in class. Rules for using such devices are posted in the classroom and must be followed.

Food/ Drinks: No food or drinks (other than water) will be allowed in the classroom. If it is seen, you will be asked to throw it away immediately.

Cheating: Cheating will not be tolerated. The student will receive an automatic zero (failing grade) on the assignment or test; no make-up work will be offered to compensate for the zero and will also result in a written referral.

Equipment Use: Misuse or destruction of furniture, computers, equipment will result in a referral.

Restroom Policy

Students may **NOT** go to the restroom for the **FIRST OR LAST 10 minutes of class**. If you must go, you are to sign out in the notebook, and take the bathroom pass lanyard with you. When you return, you will record the time that you came back. Only one student may go at a time. If any of these procedures are broken you will receive a referral.

ASSISTANCE

Email is the most effective method of asking a question outside of class hours and ensures a quick response.

Student Signature: _____ Date: _____