McGraw Central School
Syllabus for Mechanical Drawing
Fall, 2016

Course Description

Mechanical Drawing is a course designed to give you the knowledge and skill to read and draw technical drawings. This course is a prerequisite for all other Technology courses offered at McGraw.

Contact Information

James Sanderson, Technology Teacher
E-mail: jsanderson@mcgrawschools.org
Phone Number: (607) 836-3601
(Email is the best way to contact me)

Course Objectives

At the end of this course, you will be able to:
-Demonstrate improved ability to make multi-view drawings
-Demonstrate proper use of the tools of technical drawing.
-Demonstrate skills in reading technical drawings.
-Demonstrate proficient use of the alphabet of lines.
-Generate a series of drawings describing a designed artifact.

Texts and Supplies

-The text for this course is *Basic technical drawing* (Spencer, Dygdon, Novak,1995).
-All drawing supplies will be provided.

Grading System

Participation	20%
Timed Drawings	20%
Drawings	60%

Attendance Policy / Lateness / Late Work
-In order to do most of the work for this course, you must be in class. Therefore attendance is critical. Excessive absence will result in a significantly lower grade, unless excused, and other arrangements have been made.
-The policy for tardiness for this course is school policy: after three unexcused tardies, an after school detention will be assigned.
-Late projects will be accepted, but points will be deducted, depending on the circumstances.

Rules of Conduct

It is expected that all students will follow all school rules. Safety is the most important concept covered in this class, and any safety violations will be met with appropriate consequences.

Special Needs

Accommodations for testing or other academic assistance will be provided for students requiring these services.

Extra Work Time

Students wishing to work on drawings outside of class must schedule time with Mr. Sanderson.

Topics

-Measurement
-Lines, Instruments
-Multi-view Projection
-Orthographic Projection
-Lettering
-Dimensioning
-Sectional Views
-Auxiliary Views
-Threads and Fasteners
-Oblique and Isometric
Projection