

WEST ISLIP HIGH SCHOOL
TECHNOLOGY DEPARTMENT
DESIGN AND DRAWING FOR PRODUCTION

COURSE DESCRIPTION:

Design and Drawing for Production is a course designed to introduce students to technical drawing, machine and hand tools, problem solving, and production methods. Students learn drafting procedures, apply math and science concepts to their designs, and build and test a variety of models. This course focuses on creative design development to solve problems.

COURSE REQUIREMENTS:

Students are expected to be seated and ready to work as soon as the period begins. Students are to maintain a neat notebook and to save all handouts. Students are also required to hand in all activity and/or assignments for grading. Students must maintain a passing grade to receive credit for this course.

Students will be responsible for all equipment and supplies in their possession during classroom assignments and/or activities. Students are responsible for *reasonable* consumption of classroom supplies. Abuse of school supplies and/or equipment will result in loss of privileges.

TECHNICAL DRAWING TOPICS:

- | | |
|-------------------------------------|--------------------------------------|
| 1. Parts of a Standard Ruler | 7. Dimensioning |
| 2. Fractions | 8. Sketching & Orthographic Drawings |
| 3. Drawing Tools | 9. Isometric Drawings |
| 4. Lettering & Making a Title Block | 10. Introduction to Auto CAD |
| 5. Line Types | |
| 6. Drawing to Scale | |

POSSIBLE DESIGN & CONSTRUCTION PROJECTS:

- Foosball Table
- Gumball Machine
- Other

GRADING CRITERIA:

- Activities 70%
- Quizzes, Homework, Class Participation 30%

Materials:

- Notebook or Folder
- Mechanical Pencil #7 lead
- Decimal Fraction Conversion Chart

Expectations and Rules:

No Cell Phones: 1 =Warning 2 = Write Up

Attendance: Unexcused = No Credit for Assignment

Be on Time!