

## 7<sup>th</sup> Grade Industrial Technology

**Course Title:** 7<sup>th</sup> Grade Industrial Technology

**Course Length:** 9 weeks/ 1 Quarter

**Instructor:** Charlie Zimmer

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**Phone Number:** (763)261-6300

**Course Description:** This course will provide problem solving and exploratory experiences in several technical areas. Students will participate in topics, which include safety, construction, design, and modeling. Students will develop safe practices and skills in the use of tools and power equipment. They will also develop skills in web design and 3D modeling. They will develop these skills through hands-on experiences in these areas.

### **Standards/Objectives:**

1. Students will develop an understanding of the characteristics and scope of technology.
2. Students will develop an understanding of the attributes of design.
3. Students will develop abilities to apply the design process.

### **Primary Projects/Units:**

1. Safety
2. Introduction to Woodworking: Cars/Gumball Machines
3. Web Design: Digital Portfolio
4. ProEngineer: 3D Modeling

**Student Evaluation Methods:** Students will be evaluated in a variety of ways, which include tests, quizzes, hand-outs, and the design and construction of their projects.

**Grading:** Total points received determines students grade. Categories are not used. (Total Points Earned/Total Points)x 100

100%-94% A	83%-80% B-	69%-67% D+
93%-90% A-	79%-77% C+	66%-64% D
89%-87% B+	76%-74% C	63%-60% D-
86%-84% B	73%-70% C-	

**Expectations:** Students are expected to follow the 4 “B’s”

1. Be courteous
2. Be respectful
3. Be understanding
4. Be responsible

**Homework:** Class time is given for all projects. If a student does not complete the project in the amount of time given in class, they must set up a time with the instructor to complete the project. Due dates will be given at beginning of each project. Late work is accepted for partial credit.

**Materials Needed:**

1. Pen and Pencil
2. Notebook
3. Safety Glasses
4. 2 blank CD’s (Optional)
5. Lab Fee: For supplies used to construct students projects