

## MARLBORO CENTRAL SCHOOL DISTRICT-CURRICULUM MAP

Subject      Technology

Grade 7

Title or Topics (Unit organizing idea)	Concepts (understandings)	Skills (What students actually do)	Major Assessments (Tests, projects, etc.)	Time Frame (Number of weeks)
<u>Safety</u>	Students will discuss and demonstrate the safety rules based on basic hand tool safety, general classroom safety and power tool safety.	Students will discuss and brainstorm safety rules in everyday life. Students will then go over the specific safety rules for the technology classroom.	Test with 100% outcome	1 Week
<u>Measurement</u>	Students will be able to label parts of an inch and accurately be able to use a ruler.	Students will use a ruler to accurately measure to 1/16 <sup>th</sup> of an inch. Students will measure and cut blocks of wood as well as complete measurement worksheets.	Test	1 Week
<u>Resources of Technology</u>	Students will learn the necessity of resources within our technology classroom	Students will brainstorm what they need in order to work in technology. Once a list is compiled they will have to give examples of the resources in everyday life.	Test Designing environments	3 Weeks
<u>Mechanical Drawing</u>	Students will learn and put into practice basic mechanical drawing skills.	Students will use the mechanical drawing tools to create an accurate drawing of their design for a CO2 Car	Project : CO2 Car Rubric grade for Drawing	2 Weeks

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<u>Basic Woodworking</u>	Students will learn the basics of woodworking.	Students will use hand tools, band saw, and drill press The students will then hand sand their projects. Once the sanding is completed the projects will be assembled and painted. The students will then race the cars,	Rubric for CO2 car completion	6 Weeks
<u>Transportation</u>	Students will learn the basics of bridges and the engineering behind them.	Students will design, technically draw and then build a bridge. Students will also create a bridge using the program west point bridge builder.	Testing the bridge.	5 Weeks
<u>Careers</u>	Students will learn about careers related to technology fields.	Students will research a career that involves technology. They will then create a presentation to show the class. Guest speakers will be invited in to talk about their careers. (Engineering week)	Presentation Rubric Grade	2 Weeks