

7th Grade Exploring Technology Blocking Chart- Pg.1

<p>Topic- Day 1: Introduction to the Course</p> <p>Subtopics: -Syllabus -Objectives -Class Rules -Expectations -Emergency Procedures</p> <p>Activities/Homework: -Socratic Lesson</p>	<p>Topic- Day 2: General Safety</p> <p>Subtopics: -Terms to Know -Federal Safety Colors and Standards -Personal Safety Rules</p> <p>Activities/Homework: -General Safety Power Point -Socratic Lesson -Filling in Worksheets</p>	<p>Topic- Day 3: General Safety</p> <p>Subtopics: -General Shop Safety Rules -Fire Safety</p> <p>Activities/Homework: -General Safety Power Point -Socratic Lesson -Filling in Worksheets</p>	<p>Topic- Day 4: General Safety</p> <p>Subtopics: -Review</p> <p>Activities/Homework: -Tour of the Woodshop -Filling in Worksheets -Study for the Quiz</p>	<p>Topic- Day 5: General Safety</p> <p>Subtopics: Evaluation</p> <p>Activities/Homework: -Short Study Period -Quiz -Quiz Review</p>
<p>Topic- Day 6: -Band Saw Safety Rules</p> <p>Subtopics: -Identifying Machine Parts -Band Saw Safety Rules</p> <p>Activities/Homework: -Filling in Worksheets</p>	<p>Topic- Day 7: -Band Saw Safety Rules</p> <p>Subtopics: -Identifying Poor Practice and Setup</p> <p>Activities/Homework: -Band Saw Demonstration -Study for the Quiz</p>	<p>Topic- Day 8: Band Saw Safety Rules</p> <p>Subtopics: Evaluation</p> <p>Activities/Homework: -Short Study Period -Quiz -Quiz Review</p>	<p>Topic- Day 9: Drill Press Safety Rules</p> <p>Subtopics: -Identifying Machine Parts -Drill Press Safety Rules</p> <p>Activities/Homework: -Filling in Worksheets</p>	<p>Topic- Day 10: Drill Press Safety Rules</p> <p>Subtopics: -Identifying Poor Practice and Setup</p> <p>Activities/Homework: -Drill Press Demonstration -Study for the Quiz</p>
<p>Topic- Day 11: Drill Press Safety Rules</p> <p>Subtopics: Evaluation</p> <p>Activities/Homework: -Short Study Period -Quiz -Quiz Review</p>	<p>Topic- Day 12: Sanding Machines Safety</p> <p>Subtopics: -Identifying Machine Parts -Sanding Machines Safety</p> <p>Activities/Homework: -Filling in Worksheets</p>	<p>Topic- Day 13: Sanding Machines Safety</p> <p>Subtopics: -Identifying Poor Practice and Setup</p> <p>Activities/Homework: -Sanding Machines -Demonstration</p>	<p>Topic- Day 14: Sanding Machines Safety</p> <p>Subtopics:</p> <p>Activities/Homework: -Short Study Period -Quiz -Quiz Review</p>	<p>Topic- Day 15: CO2 Dragster Design</p> <p>Subtopics: -Introduction -Objectives -Define the Problem</p> <p>Activities/Homework: -Power Point Presentation -Discuss Packets -Video with Worksheet Assignment</p>

7th Grade Exploring Technology Blocking Chart- Pg.2

<p>Topic- Day 16: CO2 Dragster Design</p> <p>Subtopics: -Limitations -Aerodynamics -Physics</p> <p>Activities/Homework: -Power Point Presentation -Discuss Packets</p>	<p>Topic- Day 17: CO2 Dragster Design</p> <p>Subtopics: -Design Process Overview</p> <p>Activities/Homework: -Thumbnail Sketches</p>	<p>Topic- Day 18: CO2 Dragster Design</p> <p>Subtopics: -Design Process</p> <p>Activities/Homework: -Final Sketch</p>	<p>Topic- Day 19: CO2 Dragster Design</p> <p>Subtopics: -Design Process</p> <p>Activities/Homework: -Make a Model</p>	<p>Topic- Day 20: CO2 Dragster Design</p> <p>Subtopics: -Design Process</p> <p>Activities/Homework: -Finish Models -Wind Tunnel Tests</p>
<p>Topic- Day 21: CO2 Dragster Production</p> <p>Subtopics: -Layout -Specifications</p> <p>Activities/Homework: -Drawing Dimensions on the Stock</p>	<p>Topic- Day 22: CO2 Dragster Production</p> <p>Subtopics: Construction</p> <p>Activities/Homework: -Lab: Start Construction on the Cars -Assign Group Safety Booklets</p>	<p>Topic- Day 23: CO2 Dragster Production</p> <p>Subtopics: Construction</p> <p>Activities/Homework: -Lab: Car Construction</p>	<p>Topic- Day 24: CO2 Dragster Production</p> <p>Subtopics: Construction</p> <p>Activities/Homework: -Lab: Car Construction</p>	<p>Topic- Day 25: CO2 Dragster Production</p> <p>Subtopics: Construction</p> <p>Activities/Homework: -Lab: Car Construction</p>
<p>Topic- Day 26 CO2 Dragster Production</p> <p>Subtopics: -Construction</p> <p>Activities/Homework: -Lab: Car Construction</p>	<p>Topic- Day 27: CO2 Dragster Production</p> <p>Subtopics: -Construction</p> <p>Activities/Homework: -Lab: Car Construction</p>	<p>Topic- Day 28: CO2 Dragster Production</p> <p>Subtopics: -Construction</p> <p>Activities/Homework: -Lab: Car Construction</p>	<p>Topic- Day 29: CO2 Dragster Production</p> <p>Subtopics: -Construction</p> <p>Activities/Homework: -Lab: Car Construction -Wind Tunnel Tests</p>	<p>Topic- Day 30: CO2 Dragster Production</p> <p>Subtopics: -Construction -Racing</p> <p>Activities/Homework: -Lab: Car Construction -Possibly Begin Racing</p>

<p>Topic- Day 31: CO2 Dragster Racing</p> <p>Subtopics: -Evaluation</p> <p>Activities/Homework: -Lab: Car Races -CO2 Car Reflection</p>	<p>Topic- Day 32: CO2 Dragster Results</p> <p>Subtopics: -Review</p> <p>Activities/Homework: -Discuss Car Design and Results -Discuss Reflections -Engineering Worksheet</p>	<p>Topic- Day 33: Safety Booklets</p> <p>Subtopics: Safety</p> <p>Activities/Homework: -In-class Time to Work on Safety Booklets</p>	<p>Topic- Day 34: Safety Booklets</p> <p>Subtopics: Safety</p> <p>Activities/Homework: -Presenting Safety Booklets with the Class</p>	<p>Topic- Day 35: Safety Booklets</p> <p>Subtopics: Safety</p> <p>Activities/Homework: -Presenting Safety Booklets with the Class</p>
<p>Topic- Day 36:</p> <p>Subtopics:</p> <p>Activities/Homework:</p>	<p>Topic- Day 37:</p> <p>Subtopics:</p> <p>Activities/Homework:</p>	<p>Topic- Day 38:</p> <p>Subtopics:</p> <p>Activities/Homework:</p>	<p>Topic- Day 39:</p> <p>Subtopics:</p> <p>Activities/Homework:</p>	<p>Topic- Day 40:</p> <p>Subtopics:</p> <p>Activities/Homework:</p>
<p>Topic- Day 41:</p> <p>Subtopics:</p> <p>Activities/Homework:</p>	<p>Topic- Day 42:</p> <p>Subtopics:</p> <p>Activities/Homework:</p>	<p>Topic- Day 43:</p> <p>Subtopics:</p> <p>Activities/Homework:</p>	<p>Topic- Day 44:</p> <p>Subtopics:</p> <p>Activities/Homework:</p>	<p>Topic- Day 45:</p> <p>Subtopics:</p> <p>Activities/Homework:</p>