

## Resistant Materials Curriculum Map

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
Year 7	<p><b>Topic: Workshop Safety/Animal Pencil Holder.</b> Workshop safety with power and hand tools. Health and Safety introduction. Creative design practical Animal Pencil Holder. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop Safety/Animal Pencil Holder.</b> Workshop safety with power and hand tools. Health and Safety introduction. Creative design practical Animal Pencil Holder. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop Safety/Animal Pencil Holder.</b> Workshop safety with power and hand tools. Health and Safety introduction. Creative design practical Animal Pencil Holder. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop Safety/Animal Pencil Holder.</b> Workshop safety with power and hand tools. Health and Safety introduction. Creative design practical Animal Pencil Holder. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop Safety/Animal Pencil Holder.</b> Workshop safety with power and hand tools. Health and Safety introduction. Creative design practical Animal Pencil Holder. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop Safety/Animal Pencil Holder.</b> Workshop safety with power and hand tools. Health and Safety introduction. Creative design practical Animal Pencil Holder. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop Safety/Animal Pencil Holder.</b> Workshop safety with power and hand tools. Health and Safety introduction. Creative design practical Animal Pencil Holder. <b>Portfolio 50%</b> <b>Practical 50%</b></p>
Year 8	<p><b>Topic: Workshop safety/Creative Clock Design.</b> Workshop safety with power and hand tools. Health and Safety introduction. Creative design practical Clock Design. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop safety/Creative Clock Design.</b> Workshop safety with power and hand tools. Health and Safety introduction. Creative design practical Clock Design. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop safety/Creative Clock Design.</b> Workshop safety with power and hand tools. Health and Safety introduction. Creative design practical Clock Design. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop safety/Creative Clock Design.</b> Workshop safety with power and hand tools. Health and Safety introduction. Creative design practical Clock Design. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop safety/Creative Clock Design.</b> Workshop safety with power and hand tools. Health and Safety introduction. Creative design practical Clock Design. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop safety/Creative Clock Design.</b> Workshop safety with power and hand tools. Health and Safety introduction. Creative design practical Clock Design. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop safety/Creative Clock Design.</b> Workshop safety with power and hand tools. Health and Safety introduction. Creative design practical Clock Design. <b>Portfolio 50%</b> <b>Practical 50%</b></p>

<p><b>Year 9</b></p>	<p><b>Topic: Workshop safety/ Creative Toy Train Design</b> Workshop safety with power and hand tools. Health and safety introduction. Creative Toy Train design. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop safety/ Creative Toy Train Design</b> Workshop safety with power and hand tools. Health and safety introduction. Creative Toy Train design. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop safety/ Creative Toy Train Design</b> Workshop safety with power and hand tools. Health and safety introduction. Creative Toy Train design. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop safety/ Creative Toy Train Design</b> Workshop safety with power and hand tools. Health and safety introduction. Creative Toy Train design. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop safety/ Creative Toy Train Design</b> Workshop safety with power and hand tools. Health and safety introduction. Creative Toy Train design. <b>Portfolio 50%</b> <b>Practical 50%</b></p>	<p><b>Topic: Workshop safety/ Creative Toy Train Design</b> Workshop safety with power and hand tools. Health and safety introduction. Creative Toy Train design. <b>Portfolio 50%</b> <b>Practical 50%</b></p>
<p><b>Year 10</b></p>	<p><b>Exam Board: OCR Design and Technology J310</b> Health and Safety. Workshop safety with power and hand tools. Dove Tail joint assignment. Box Project.</p>	<p>Dove Tail joint assignment. Box Project.</p>	<p>Mechanisms, Levers and linkages. Creative moving toy.</p>	<p>Mechanisms, Levers and linkages. Creative moving toy.</p>	<p>June 1st. Context set by OCR 40 hour final assignment. Preparation for Summer Exam Context Investigation and Brief</p>	<p>June 1st. Context set by OCR 40 hour final assignment. Research</p>
<p><b>Year 11</b></p>	<p>Final Assignment OCR Initial ideas/Ideas Questionnaire</p>	<p>Final Assignment OCR Preparation for Mock Exam 1 Development 1,2 and 3. Testing and Final Design</p>	<p>Final Assignment OCR Working Drawings, Model Construction</p>	<p>Final assignment submission Preparation for Mock Exam 2 Testing/Questionnaire, Evaluation, Modifications.</p>	<p>Preparation for Summer Exam</p>	

## Core Values

Character

Competence

Community