



## Year Four DT Overview for the Year

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Term 1						
Term 2	<p>DT: Mechanical Systems – Making a slingshot car.</p> <p><b>Lesson 1: Chassis and launch mechanism</b></p> <p><b>LO:</b> To build a car chassis</p> <p>KS2:DT E 2 KS2:DT M 2 KS2:DT E 1 KS2:DT E 3 KS2:DT TK 1 KS2:DT TK 2</p> <p>▪ <b>Big Idea (Aspect):</b> Comparison (compare &amp; contrast) Humankind (everyday products) Investigation (Investigation) Materials (Materials for Purpose)</p>	<p>DT: Mechanical Systems – Making a slingshot car.</p> <p><b>Lesson 2: Designing the car body</b></p> <p><b>LO:</b> To design a shape that reduces air resistance</p> <p>KS2:DT D 1 KS2:DT D 2 KS2:DT E 1 KS2:DT E 2</p> <p>▪ <b>Big Idea (Aspect):</b> Humankind (everyday products) Investigation (Investigation) Investigation (Evaluate) Materials (Materials for Purpose)</p>	<p>DT: Mechanical Systems – Making a slingshot car</p> <p><b>Lesson 3: Making the car body</b></p> <p><b>LO:</b> To make a model based on a chosen design</p> <p>KS2:DT D 2 KS2:DT M 1 KS2:DT D 2 KS2:DT TK 1</p> <p>▪ <b>Big Idea (Aspect):</b> Humankind (everyday products) Investigation (Investigation) Materials (Materials for Purpose)</p>	<p>DT: Mechanical Systems – Making a slingshot car.</p> <p><b>Lesson 4: Assembly and testing</b></p> <p><b>LO:</b> To assemble and test my completed product</p> <p>KS2:DT M 1 KS2:DT M 2 KS2:DT E 2 KS2:DT TK 1 KS2:DT TK 2</p> <p>▪ <b>Big Idea (Aspect):</b> Humankind (everyday products) Investigation (Evaluate) Processes (mechanisms and movement)</p>		



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	Processes (mechanisms and movement) Significance (Significant people – Carl Benz)	▪ Creativity (Generation of ideas)				
Term 3						
Term 4	DT: Digital World – Mindful Moments Timer.  <b>Lesson 1: Analysing Timers</b>  <b>LO:</b> To evaluate existing products  <b>KS2:DT E 1 KS2:DT E 2</b>  ▪ <b>Big Idea (Aspect):</b>  <b>Creativity (Generation of ideas)</b> <b>Comparison (Compare &amp; Contrast)</b> <b>Humankind (Everyday Products)</b>	DT: Digital World – Mindful Moments Timer.  <b>Lesson 2: Designing for the users</b>  <b>LO:</b> To develop design criteria.  <b>KS2:DT D 1</b>  ▪ <b>Big Idea (Aspect):</b> <b>Creativity (Generation of ideas)</b> ▪ <b>Humankind (Everyday Products)</b>	DT: Digital World – Mindful Moments Timer.  <b>Lesson 3: Programming the timer</b>  <b>LO:</b> To program and control a product.  <b>KS2:DT D 1 KS2:DT TK 4 KS2:DT E 2</b>  ▪ <b>Big Idea (Aspect):</b> <b>Creativity (Use of ICT)</b>	DT: Digital World – Mindful Moments Timer.  <b>Lesson 4: Prototypes</b>  <b>LO:</b> To develop and communicate ideas.  ▪ <b>KS2:DT D 2</b>  ▪ <b>Big Idea (Aspect):</b> <b>Humankind (Everyday Products)</b> <b>Materials (Materials for Purpose)</b> <b>Creativity (Generation of ideas)</b>	DT: Digital World – Mindful Moments Timer.  <b>Lesson 5: Brand Identity</b>  <b>LO:</b> To develop ideas through computer-aided design.  <b>KS2:DT D 2</b>  ▪ <b>Big Idea (Aspect):</b> <b>Humankind (Everyday Products)</b> <b>Creativity (Use of ICT)</b> <b>Creativity (Generation of ideas)</b>	



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Term 5						
Term 6	<p>DT: Textiles – Fastenings</p> <p><b>Lesson 1: Evaluating fastenings</b></p> <p><b>LO:</b> To identify and evaluate different types of fastenings</p> <p><b>KS2:DT E 1</b></p> <ul style="list-style-type: none"> <li><b>Big Idea (Aspect):</b> Creativity (Generation of ideas) Investigation (Evaluate)</li> </ul>	<p>DT: Textiles – Fastenings</p> <p><b>Lesson 2: Designing my book sleeve</b></p> <p><b>LO:</b> To design a product to meet design criteria</p> <p><b>KS2:DT D 1 KS2:DT E 2</b></p> <ul style="list-style-type: none"> <li><b>Big Idea (Aspect):</b> Creativity (Generation of ideas) Investigation (Evaluate)</li> </ul>	<p>DT: Textiles – Fastenings</p> <p><b>Lesson 3: Paper mock-up and preparing fabric</b></p> <p><b>LO:</b> To make and test a paper template</p> <p><b>KS2:DT TK 1 KS2:DT M 2</b></p> <ul style="list-style-type: none"> <li><b>Big Idea (Aspect):</b> Creativity (Generation of ideas) Investigation (Investigation) Materials (Cutting and joining textiles)</li> </ul>	<p>DT: Textiles – Fastenings</p> <p><b>Lesson 4: Assembling my book sleeve</b></p> <p><b>LO:</b> To assemble a book jacket</p> <p><b>KS2:DT M 1 KS2:DT D 1 KS2:DT E 2</b></p> <ul style="list-style-type: none"> <li><b>Big Idea (Aspect):</b> Investigation (Investigation) Investigation (Evaluate) Materials (Cutting and joining textiles) Materials (Decorating and embellishing textiles)</li> </ul>		