



Year One DT Overview for the Year

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Term 1	<p>DT: Making a moving story book</p> <p>Lesson 1: Exploring sliders and movement.</p> <p>LO: To explore making mechanisms</p> <p>KS1:DT E 1 KS1:DT TK 2</p> <ul style="list-style-type: none"> Big Idea (Aspect): Processes (Mechanisms and Movement) <p>Investigation (Investigation)</p>	<p>DT: Mechanisms – Making a moving story book</p> <p>Lesson 2: Design</p> <p>LO: To design a moving story book</p> <p>KS1:DT D 1 KS1:DT D 2</p> <ul style="list-style-type: none"> Big Idea (Aspect): Creativity (Generation of ideas) Processes (Mechanisms and Movement) Materials (Materials for purpose) 	<p>DT: Mechanisms – Making a moving story book</p> <p>Lesson 3: Construction</p> <p>LO: To construct a moving picture</p> <p>KS1:DT M 1 KS1:DT M 2</p> <ul style="list-style-type: none"> Big Idea (Aspect): Creativity (Generation of ideas) Processes (Mechanisms and Movement) <p>Investigation (Investigation) Materials (Materials for purpose) Investigation (Evaluate)</p>	<p>DT: Mechanisms – Making a moving story book</p> <p>Lesson 4: Testing and evaluation</p> <p>LO: To evaluate my finished product</p> <p>KS1:DT E 1 KS1:DT E 2</p> <ul style="list-style-type: none"> Big Idea (Aspect): Processes (Mechanisms and Movement) <p>Investigation (Evaluate)</p>		
Term 2						



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Term 3	DT: Structures / Mechanisms – constructing a windmill.	DT: Structures / Mechanisms – constructing a windmill.	DT: Structures / Mechanisms – constructing a windmill.	DT: Structures / Mechanisms – constructing a windmill.		
	Lesson 1: Designing the structure	Lesson 2: Assembling the structure	Lesson 3: Assembling the windmill	Lesson 4: Testing and evaluating		
	LO: To include individual preferences and requirements in my design.	LO: To make a stable structure.	LO: To assemble the components of my structure.	LO: To evaluate my project and adapt my design.		
	KS1:DT D 1 KS1:DT D 2 KS1:DT E 1 KS1:DT E 2	KS1:DT M 1 KS1:DT M 2 KS1:DT TK 1 KS1:DT E 2	KS1:DT M 1 KS1:DT M 2 KS1:DT E 1 KS1:DT TK 1 KS1:DT TK 2	KS1:DT E 1 KS1:DT E 2 KS1:DT TK 1 KS1:DT TK 2		
	Big Idea (Aspect): Creativity (Use of ICT) – draw the design on a tablet. Creativity (Generation of ideas) Creativity (Structures) Processes (mechanism and movement) Materials (Materials for purpose)	Big Idea (Aspect): Creativity (Generation of ideas) Creativity (Structures) Materials (Materials for purpose) Investigation (Evaluation)	Big Idea (Aspect): Creativity (Generation of ideas) Creativity (Structures) Comparison (Compare & Contrast) Processes (mechanism and movement) Materials (Materials for purpose)	Big Idea (Aspect): Creativity (Generation of ideas) Creativity (Structures) Creativity (Use of ICT) Processes (mechanism and movement) Investigation (Evaluation)		



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			Investigation (Evaluation)			
Term 4						
Term 5	<p>DT: Mechanisms – Wheels and axles.</p> <p>Lesson 1: How do wheels move?</p> <p>LO: To understand how wheels move</p> <p>KS1:DT E 1 KS1:DT E 2</p> <p>Big Idea (Aspects):</p> <p>Processes (mechanisms and movement)</p> <p>Investigation (Investigation)</p> <p>Creativity (Generation of ideas)</p> <p>Materials (Materials for purpose)</p>	<p>DT: Mechanisms – Wheels and axles.</p> <p>Lesson 2: Fixing broken wheels</p> <p>LO: To identify what stops wheels from turning</p> <p>KS1:DT E 1 KS1:DT E 2</p> <p>Big Idea (Aspects):</p> <p>Processes (mechanisms and movement)</p> <p>Investigation (Evaluate)</p>	<p>DT: Mechanisms – Wheels and axles.</p> <p>Lesson 3: Designing a vehicle</p> <p>LO: To design a moving vehicle</p> <p>KS1:DT D 1 KS1:DT D 2</p> <p>Big Idea (Aspects):</p> <p>Significance (Significant People)</p> <p>Processes (mechanisms and movement)</p> <p>Creativity (Generation of ideas)</p> <p>Creativity (Use of ICT) - Extension</p> <p>Investigation (Investigation)</p>	<p>DT: Mechanisms – Wheels and axles.</p> <p>Lesson 4: Wacky races</p> <p>LO: To build a moving vehicle</p> <p>KS1:DT M 1 KS1:DT D 2 KS1:DT E 2</p> <p>Big Idea (Aspects):</p> <p>Processes (mechanisms and movements)</p> <p>Creativity (Generation of ideas)</p> <p>Materials (materials for purpose)</p> <p>Investigation (Evaluate)</p>		



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			Comparison (Compare & Contrast) Materials (materials for purpose)			
Term 6						