

YEAR 4 DT PROGRESS MAP

Year 5			
Concept	Autumn	Spring	Summer
	<p>Food Healthy Pizza</p>	<p>Mechanics Moving Monsters</p>	<p>Electronics Buzzer games</p>
<u>Famous inventor/ designer.</u>	Raffaele Esposito	James Dyson	Caroline Haslett
<u>Design</u>	<p>Design with the user in mind, motivated by the service a product will offer (rather than simply for profit). Make products through stages of prototypes, making continual refinements. Design criteria to inform the design of a functional and appealing product that is fit for purpose and the intended user. Ensure design has annotated diagram or a cross sectional diagram. Children should generate and model their ideas using cross sectional diagrams, prototypes and ICT designs (where possible)</p>		
<u>Make</u>	<p>Understand the importance of correct storage and handling of ingredients (using knowledge of micro-organisms) Measure accurately and calculate ratios of ingredients to scale up or down from a recipe</p>	<p>Create circuits using electronics kits that employ a number of components (such as LEDs, resistors, transistors and buzzers.</p>	<p>Convert rotary motion to linear using cams. To use a mechanism to move a monster.</p>
		<p><u>Materials</u> Cut materials with precision and refine the finish with appropriate tools (such as sanding wood after cutting or a more precise scissor cut after roughly cutting out a shape). Show an understanding of the qualities of materials to choose appropriate tools to cut and shape (such as the nature of fabric may require sharper scissors than would be used to cut paper).</p>	
<u>Evaluate</u>	<p>Evaluate the finished product and the design process. To evaluate their product against the design criteria. . Children to take ideas from other designs and apply them to their own work. </p>		

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<u>Technical knowledge</u>	To understand about micro-organisms. To use vocabulary such as processed, intolerances and allergies.	To use the correct vocabulary to describe the moving mechanics in their design.	To create circuits that use a number of components.
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