

Year 6 Progression in Design Technology

Structures	Mechanical Systems	Electrical Systems	Computer Programming	Textiles	Cooking and Nutrition
	<p>Cams</p> <ul style="list-style-type: none"> ● I know that mechanical systems have an input, process and an output ● I know how cams can be used to produce different types of movement and change the direction of movement 	<p>More Complex Circuits and Switches</p> <ul style="list-style-type: none"> ● I know how to create a functional electrical product that responds automatically to changes in the environment 		<p>Computer Aided Design</p> <ul style="list-style-type: none"> ● I know that a 3-D textile product can be made from a combination of accurately made pattern pieces, fabric shapes and different fabrics. ● I know that fabrics can be strengthened, stiffened and reinforced where appropriate. 	<p>Celebrating Culture</p> <ul style="list-style-type: none"> ● I know how to design a recipe for cultural preferences ● I know how to prepare and cook a variety of savoury dishes using a range of cooking techniques
	<p>Cams</p> <p>I will know what cams mechanisms are and how they are used in the world around me</p> <p>I will know how to explore realistic and appropriate ideas focusing on the needs of the user</p> <p>I will know how to investigate and evaluate cams mechanisms</p> <p>I will know how to design a product for my intended purpose and user</p> <p>I will know how to generate realistic and appropriate ideas focusing on the needs of the user</p>	<p>More Complex Circuits and Switches</p> <ul style="list-style-type: none"> ● I will know that some battery-powered products respond automatically to changes in the environment ● I will know how to explore realistic and appropriate ideas focusing on the needs of the user ● I will know how to investigate programmable and programmed products ● I will know how to design a product for my intended purpose and user <p>I will know how to generate realistic and appropriate ideas focusing on the needs of the user</p>		<p>Computer Aided Design</p> <ul style="list-style-type: none"> ● I will know that some products are produced with Computer Aided Design and how they used in the world around me ● I will know how to explore realistic and appropriate ideas focusing on the needs of the user ● I will know how to investigate products produced with Computer Aided Design <p>I will know how to design a product for my intended purpose and user</p> <p>I will know how to generate realistic and appropriate ideas focusing on the needs of the user</p>	<p>Celebrating Culture</p> <ul style="list-style-type: none"> ● I will know that different food products come from different cultures ● I will know how to explore realistic and appropriate ideas focusing on the needs of the user ● I will know how to investigate and evaluate a range of cultural food products <p>I will know how to design a product for my intended purpose and user</p> <p>I will know how to generate realistic and appropriate ideas focusing on the needs of the user</p>

	<p>I will know how to make my product using the design criteria</p> <p>I will know how to evaluate my product for the intended purpose and intended user</p>	<p>I will know how to make my product using the design criteria</p> <p>I will know how to evaluate my product for the intended purpose and intended user</p>		<p>I will know how to make my product using the design criteria</p> <p>I will know how to evaluate my product for the intended purpose and intended user</p>	<p>I will know how to make my product using the design criteria</p> <p>I will know how to evaluate my product for the intended purpose and intended user</p>
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