

# Year 5 Progression in Design Technology

Structures	Mechanical Systems	Electrical Systems	Computer Programming	Textiles	Cooking and Nutrition
<p><b>Frame Structures</b></p> <ul style="list-style-type: none"> <li>● I know how to strengthen, stiffen and reinforce frame structures</li> </ul>	<p><b>Pulleys and Gears</b></p> <ul style="list-style-type: none"> <li>● I know how gears and pulleys can be used to speed up, slow down or change the direction of movement</li> </ul>			<p><b>Combining Different Fabric Shapes</b></p> <ul style="list-style-type: none"> <li>● I know how to combine fabric shapes, using a range of sewing techniques</li> </ul>	<p><b>Seasonality</b></p> <ul style="list-style-type: none"> <li>● I know how to design a recipe using healthy seasonal food</li> <li>● I know how to prepare and cook a variety of savoury dishes using a range of cooking techniques</li> </ul>
<p><b>Frame Structures</b></p> <p>I will know what frame structures 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 frame structures</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>I will know how to make my product using the design criteria</p>	<p><b>Pulleys and Gears</b></p> <p>I will know what gears and pulleys 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 gear and pulley systems</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>I will know how to make my product using the design criteria</p>			<p><b>Combining Different Fabric Shapes</b></p> <ul style="list-style-type: none"> <li>● I will know what products produced by combining fabric shapes are and how they are used in the world around me</li> <li>● I will know how to explore realistic and appropriate ideas focusing on the needs of the user</li> <li>● I will know how to investigate products produced by combining fabric shapes</li> </ul> <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><b>Seasonality</b></p> <ul style="list-style-type: none"> <li>● I will know what seasonal food products are and how they are used in the world around me</li> <li>● I will know how to explore realistic and appropriate ideas focusing on the needs of the user</li> <li>● I will know how to investigate and evaluate seasonal food products</li> </ul> <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 evaluate my product for the intended purpose and intended user</p>			<p>I will know how to make my product using the design criteria I will know how to evaluate my product for the intended purpose and intended user</p>	<p>I will know how to evaluate my product for the intended purpose and intended user</p>
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