

# Design & Technology – Progression Map EYFS-Year 6



**Our Vision: Understand and developing a knowledge of how they can use technology creatively to enrich their life and that of others**

Year Group	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<b>EYFS</b>	<p><b>Embedded in CP and child led outcomes</b> Can I construct with a purpose in mind? Can I use simple tools safely and with increasing control?</p> <p><b>Weekly baking when not in forest school</b> Can I prepare food (shape, roll, mix, spoon, measure, cut out, tear, cut)?</p>	<p><b>Embedded in CP and child led outcomes</b> Can I construct with a purpose in mind. Using simple tools safely and with increasing control to join two materials?</p> <p><b>Weekly baking when not in forest school</b> Can I prepare food (shape, roll, mix, spoon, measure, cut out, tear, cut)? Can I Say what I like/don't like?</p>	<p><b>Embedded in CP and child led outcomes</b> Can I design and select materials to create work independently?</p>	<p><b>Embedded in CP and child led outcomes</b> Can I design and select materials to create work independently?</p>	<p><b>Embedded in CP and child led outcomes</b> Can I select tools and techniques needed to assemble and join materials e.g. hole-punch and string and talking about choices?</p>	<p><b>Embedded in CP and child led outcomes</b> Can I select tools and techniques needed to assemble and join materials e.g. hole-punch and string and talking about choices?</p>

<p><b>Y1</b></p>	<p><b>Mechanisms – explore, design, make and evaluate sliders and levers with card</b>          Can I create a story card for the circus?          Can I make my model stronger?          Can I make a product which moves?</p>	<p><b>Designing and creating during busy learning-continuous provision EYFS strengthening provision</b>          Can I construct with a purpose in mind?          Can I use simple tools safely and with increasing control?          Can I describe how something works?          Can I choose appropriate resources and tools?</p>	<p><b>Designing and creating a free standing structure linked to our Alien landing</b>          Can I talk about my ideas?          Can I use pictures and words to describe my design?          Can I explain which tools and materials I will need?          Can I make a simple plan before making?          Can I assemble, join and combine materials? (glue, tape, split pins)          Can I use simple finishing techniques?          Can I explore and evaluate a range of existing products?          Can I say what I like about my work?</p>	<p><b>Designing and creating during busy learning-continuous provision EYFS strengthening provision</b>          Can I describe how something works?          Can I explain to someone else how I want to make my product? Evaluate</p>	<p><b>Bridge building investigation: Studying the structure of bridges, exploring bridges using construction kits and paper, creating bridges out of recycled materials, making amendments when required.</b>          Can I build a freestanding structure exploring how it can be made stronger?          Can I make my model stronger?          Can I say what I liked about my work and other people’s work? Can I identify where my evaluations have led to improvements in my products? Technical knowledge Can I make my model stronger? Can I make a product which moves?  <b>Healthy eating – making cous cous salad for the troll to help him get better!</b>          Can I use butter knives and food scissors safely to cut food with help?          Can I cut food safely?</p>	
<p><b>Y2</b></p>	<p><b>Design and bake a Victoria Sponge Cake</b>          I prepare food safely and hygienically?          Can I describe the ingredients I am using?</p>			<p><b>DT: Textiles/applique</b>          Can I think of an idea and plan what to do next?          Can I choose tools and materials and explain why I have chosen them?</p>		<p><b>DT: Winch mechanism</b>          Can I think of ideas and plan what to do next, based on what I know about materials and components?          Can I use models, pictures and words to describe my design?</p>

				Can I explain why I have chosen specific textiles?		Can I explore and use mechanisms in my products e.g. wheels and axles? Can I think of an idea and plan what to do next? Can I measure materials to use in a model or structure? Can I explain what went well with my work? Can I join materials and components in different ways?
<b>Y3</b>		<b>Design and make a Stone Age pouch</b> Can I design a product and make sure it looks attractive? Can I prove that my design meets some set criteria? Can I follow a step-by-step plan, choosing the right equipment and materials? Can I work accurately to measure, make cuts and make holes? Can I make a textile product that combines fabric?		<b>Design and make a parachute shell structure</b> <b>Work with Balcarras DT team</b> Can I produce an annotated sketch of my design? Can I make a product which uses a shell structure? Can I explain how I have improved my original design?		<b>Plan and make a national dish from a European Country.</b> Can I describe how food ingredients come together?
<b>Y4</b>		<b>Design and create a mountain sculpture</b>  Can I use ideas from other people when designing? Can I produce a plan and explain it.		<b>Links/levers</b> <b>Work with Balcarras DT team</b>  Plan, create and evaluate a pop-up book on the Romans		<b>Hygiene/baking</b> <b>Great British Bake off</b> UK bakes  <b>Make, taste and evaluate</b>

		<p>Can I present a product in an interesting way?</p> <p>Can I measure accurately?</p> <p>Can I persevere and adapt my work when my original ideas do not work?</p> <p>Can I evaluate and suggest improvements for my designs ?</p>		<p>Can I make a mechanism that uses levers and linkages?</p> <p>Can I evaluate and suggest improvements for my designs?</p> <p>Can I evaluate products for both their purpose and appearance?</p>		<p>Can I understand what hygienic means?</p> <p>Can I explain how to be both hygienic and safe when using food?</p> <p>Can I taste and evaluate already existing biscuits?</p> <p>Can I persevere and adapt my work when my original ideas do not work?</p>
<b>Y5</b>		<p><b>Create a lasting piece of fabric wall art depicting the Solar system.</b></p> <p>Can I make a textile product using a range of stitches?</p> <p>Can I come up with a range of ideas after collecting information from different sources?</p> <p>Can I use a range of tools and equipment competently?</p> <p>I make a prototype before I make a final version</p>	.	<p><b>Design and make a bridge to travel over a river</b></p> <p><b>Work with Balcarras DT team</b></p> <p>Can I make a frame structure?</p> <p>Can I come up with a range of ideas after collecting information from different sources?</p> <p>Can I use a range of tools and equipment competently?</p> <p>I make a prototype before I make a final version</p>		<p><b>Plan and make a savory dish</b></p> <p>Can I show that I can be both hygienic and safe in the kitchen?</p> <p>Can I combine ingredients to make a savoury dish?</p> <p>Can I produce a detailed step by step plan?</p> <p>Can I explain how a product will appeal to a specific audience?</p>
<b>Y6</b>	N/A	<p><b>Design and make a shadow puppet</b></p> <p>Can I justify my plans in a convincing way?</p> <p>Can I show that I consider culture and society in my plans and designs?</p> <p>Can I follow and refine my plans?</p>	N/A	<p><b>Plan a make a savory dish inspired by Nort America. Visit to HSL Secondary to complete</b></p> <p>Can I explain what seasonality means and where some foods originate from?</p> <p>Can I explain that food is grown, reared or caught?</p>	<p><b>Design and make a Pulley and gear system to lift or move an object and add an electrical component.</b></p> <p><b>Work with Balcarras DT team</b></p> <p>Can I make a product using gears / pulleys / cams ?</p> <p>Can I use electrical systems in my product?</p>	N/A

		<p>Can I measure accurately in mm? Can I show that I can test and evaluate my products? and Can I understand the importance of design in the world?</p>		<p>Can I use a range of techniques to make predominantly savoury dishes? Can I develop my own design criteria after carrying out appropriate research and justify my choices? Can I generate ideas after thinking about who will use them and what they will be used for? Can I use a range of techniques to make predominantly savoury dishes? Can I show that I can test and evaluate my products? Can I understand the importance of design in the world?</p>		
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