

2025-2026 BEDs D.T Curriculum Overview



	Term One	Term Two	Term Three	Term Four	Term Five	Term Six
Beech EYFS Expressive Arts & Design	<p>‘All about me’</p> <ul style="list-style-type: none"> *This is my home/a special place – designing and structuring. *I can bring two materials together using glue. <p>‘All around the world’</p> <ul style="list-style-type: none"> *I can recognise a pattern – Rangoli pattern *I can use my hands and tools to mould clay – diva lamps. 	<p>‘How things have changed’</p> <ul style="list-style-type: none"> *I can create something new from something I have recycled. *I can connect materials using tape. <p>‘All creatures great and small’</p> <ul style="list-style-type: none"> *I can join materials together using a range of resources. 	<p>‘Once upon a time’</p> <ul style="list-style-type: none"> *I can join materials together using a range of resources. <p>‘Journeys’</p> <ul style="list-style-type: none"> *I can create a mode of transport by connect resource together. *I can confidently share and discuss my projects. 			
Y1/2 Elm	<p>Mechanisms - Sliders and levers</p> <ul style="list-style-type: none"> *Sliders and levers can be used to create movement within an illustrated design. *Slider moves from up/ down. *Lever moves from a pivot. *Slider and lever can create motion to add interest to a card. *Split pin can create a pivot. *Rod and tape can create a slider. 	<p>Textiles - Bookmark</p> <ul style="list-style-type: none"> *Researching existing products informs our own ideas. *Bookmarks can be a range of sizes and shapes. *Template is a piece of rigid card used to mark out. *Running stitches can be used to join. *Products can be enhanced by adding detail. 	<p>Food - Smoothies</p> <ul style="list-style-type: none"> *Fruit and vegetables are an important part in our balanced diet. *Juice is released when a fruit is squeezed. *Pineapples are sweet and carrots are savoury. *Smoothie contains cut and blended fruits and vegetables. 			
Y3/4 Birch	<p>Textiles – Bendy Bags</p> <ul style="list-style-type: none"> *Bags can be made out of a range of textiles. *A product needs a detailed design to guide the making process. *3D textile product can be created by cutting and joining. *Template is needed to create a consistent size and shape. *Product needs to be fit for purpose. 	<p>Food - Sandwich snacks</p> <ul style="list-style-type: none"> *Sandwiches can have a range of fillings. *‘Eat Well’ plate gives us guidance on how to choose a healthy balanced diet. *Product can be designed for a specific user. *Chopping knife is used to chop. *Taste testing a final product enables seeing if it has matched the design brief. 	<p>Structures – Pavilion</p> <ul style="list-style-type: none"> *Pavilion is a decorative building or structure for leisure activities *Free-standing structure is one that can stand on its own. *Structure can be strengthened by reinforcing the corners. *Cladding can be applied to structures. *Product should meet the design criteria. 			
Y4/5 Rowan	<p>Mechanisms – Cams</p> <ul style="list-style-type: none"> *Cam mechanism is made up of two main components - a cam and a follower. *Set criteria are used to design something. *Rotary motion is converted into linear motion in a mechanical system. *Finishing techniques make the product appealing for the user. *Product can be adapted to make improvements. 	<p>Structures – Bridges</p> <ul style="list-style-type: none"> *Beam bridge uses simple vertical posts to support a straight bridge. *Arch bridge uses a curving support structure. *Truss bridge is a load bearing bridge composed of a series of wooden or metal triangles known as trusses. *Joint can be reinforced to strengthen a structure. *Set criteria can evaluate against function and aesthetics. 	<p>Food - Pizza</p> <ul style="list-style-type: none"> *Survey is a method of research. *Ingredients are combined to allow flavours to complement each other. *Data can be used to inform the design process. *Kneading is a process used to mix ingredients and add strength. *Reflecting on a product can highlight areas of success. 			
Y5/6 Willow	<p>Food Seasonality–Making soup</p> <ul style="list-style-type: none"> *Recipe has a list of instructions and ingredients that need to be followed. *Foods are grown in specific seasons. *Vegetables can be roasted and blended to create soup. *Seasoning can alter the taste of a meal. 	<p>Electric - Circuits and control systems</p> <ul style="list-style-type: none"> *Alarm systems are used for a range of products, reasons and places. *Car alarm can be used to send warning systems or monitor unauthorized entry. *Simple electric circuit includes a battery, buzzer and a switch. *Micro controller controls the input and output of your circuit. *Alarm system can be designed for a specific purpose. 	<p>Structures / Mechanisms - Alarmed vehicle</p> <ul style="list-style-type: none"> *Alarmed vehicle needs a circuit design. *Frame structure can be made using square sectioned wood, PVA glue and strengthened using card triangles. *Wheels and axles give the vehicle motion. *Net is a 2D is a shape that can be folded into a 3D form. *Critical evaluation of a product involves assessing the strengths and weaknesses of a product. 			