

By Brook CE Primary School Whole School DT Overview

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
T1 & T2 Structures and Mechanics	Structures: Junk Modelling, Kapow (A&B)	Structures and Mechanics: Building houses (A)		Structures: Castle/Pavilion Year 4 unit Kapow (A)	Mechanics: Christmas card (levers/moving pictures) (B)	Technology: CAMS, Year 6 unit Kapow(A) Structures: Bridges, Year 5 unit Kapow (B)	
Key Knowledge	<ul style="list-style-type: none"> Join different materials and explore different textures. What a design is Drawing a simple design to model Exploring materials and different properties, use description of each material 	<ul style="list-style-type: none"> Methods of joining: tape, glue, folds, hole punches and string, and by using paperclips. Know that different materials hold different properties. Design a house utilising drawing and labelling Knowing and testing suitable materials Comparing design and creation 	<ul style="list-style-type: none"> Measure, mark out, cut and shape materials with some accuracy. Join, assemble and combine materials with some accuracy. Design a structure that is stable, supported and aesthetically pleasing (A) Understanding how a lever and a linkage work (B) Designing using linkages and levers (B) Building and testing a prototype model Adapting designs based on findings from prototypes 	<ul style="list-style-type: none"> Methods of joining Investigate different types of bridge/CAMS. Design based on knowledge of how bridges/CAMS work. Test against design specifications and evaluate findings. Adapting designs based on outcome and findings from test, including in-depth explanations. 			
Key Vocab	<ul style="list-style-type: none"> Join, Stick Longer/Shorter Bigger/Smaller Bend 	<ul style="list-style-type: none"> 2D 3D Design Strong Experiment 	<ul style="list-style-type: none"> Reinforce Scoring Structure Tab Net Cladding 	<ul style="list-style-type: none"> Accurate/Accuracy Evaluate Assemble Joints Component 			
Learning Q's	<ul style="list-style-type: none"> What tools and materials can I find? Can I explore how to cut different materials? Can I select the correct resources to make a model? How do I plan to make a junk model? Can I make a junk model using my plan? 	<ul style="list-style-type: none"> What do Tudor houses look like? What does a Tudor house have inside? What materials will work the best to make a house? Can I make a plan to build a Tudor house? Can I make a Strong Tudor house? How can I evaluate my design? 	<p>Year A:</p> <ul style="list-style-type: none"> What is a pavilion? How can I create a range of different framed structures? Can I design a pavilion structure? How can I build a strong frame structure using a range of materials? Can I understand the term cladding? <p>Year B:</p> <ul style="list-style-type: none"> Can I compare different toys and games that include mechanisms? Can I make a slider/lever prototype? Can I create a design that considers the user? Can I create a successful moving card? How do I write a detailed evaluation? 	<p>Year A:</p> <ul style="list-style-type: none"> Can I compare different Automata toys? Can I identify the different parts of CAMS? Can I assembly a frame using a diagram? Can I create a design based on a user's needs? Can I build a successful CAM toy? Can I evaluate my design in detail? <p>Year B:</p> <ul style="list-style-type: none"> Can I Identify different types of bridges? What are the features of an arch/beam/truss bridge? Can I explore how to build a strong bridge and make my own plan? Can I construct a strong truss bridge? (Over 2 or more lessons) Can I evaluate my design in detail? 			

T3 & T4 Healthy Eating	Cooking and Nutrition: Rainbow Salad (A&B)	Cooking and nutrition: Fruit and vegetables/A balanced diet Year 2 unit- Kapow (A&B)	Cooking and nutrition: Adapting a recipe Year 4 unit- Kapow (A)	Cooking and nutrition: Come dine with me Year 6 unit – Kapow <i>adapted</i> (A) Kapow Year 5 unit adapted (B)
Key Knowledge	<ul style="list-style-type: none"> Know and talk about the different factors that support their overall health and wellbeing Recognise and name a selection of fruits and vegetables. Prepare food by washing and cutting (supported) Use vocabulary to offer opinions and reflections such as what they liked or didn't like. 	<ul style="list-style-type: none"> Recognise and name a variety of fruits and vegetables. Explore the key features of a recipe. Use the basic principles of a healthy and varied diet to prepare dishes. Understand where food comes from. Classify a range of foods according to colour, texture and taste. 	<ul style="list-style-type: none"> To weigh and measure accurately (time, dry ingredients, liquids). Understand and apply the principals of a healthy and varied diet. Prepare and cook a dish using a range of cooking techniques. Follow a recipe to create simple dishes that involve changes in food structure such as baking, melting, combining etc. 	<ul style="list-style-type: none"> Recognise, name and classify a variety of foods into the five main food groups (fruits and vegetables, starchy foods, dairy, protein, and fat). Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed. Understand complimentary flavours and how these link to different food groups. Understand nutritional labels and how to adapt them for their recipe.
Key vocab	<ul style="list-style-type: none"> Healthy Unhealthy Likes/Dislikes Tools Fruit/Vegetable 	<ul style="list-style-type: none"> Proteins Carbohydrates Balanced Ingredients Diet 	<ul style="list-style-type: none"> Budget Adapt Combine Evaluate Hygiene Product 	<ul style="list-style-type: none"> Complimentary/ Complement Enhance Combination Umami
Learning Q's	<ul style="list-style-type: none"> Can I discuss healthy and unhealthy foods? How can I balance healthy and unhealthy foods? Can I identify my own likes and dislikes? Can I use a range of tools with care and precision? 	<ul style="list-style-type: none"> How do I sort foods into their food groups? Can I identify the balance of food groups in a meal? Can I select and taste food from each food group? (Lesson 4 Kapow) What equipment should I choose to prepare food? (Lesson 3 Kapow) Can I design different wraps with a balance of ingredients? Can I make and evaluate a wrap based on a design? 	<ul style="list-style-type: none"> Can I evaluate existing biscuit products? Can I follow a simple recipe? How do I select ingredients within budget? What inspiration can I take from existing products? Can I make and test a biscuit? How do I write an evaluation? 	<p>Year A:</p> <ul style="list-style-type: none"> What flavours complement each other? Can I research and design a three course meal? Can I identify and use preparation techniques needed for a recipe? Students make a meal at home to test their chosen meals and discuss at school. Can bring in for tasting if possible. <p>Year B:</p> <ul style="list-style-type: none"> Can I create an informative visual for the production of beef products? Can I research and compare two different Bolognese sauces? Can I adapt and design a Bolognese recipe? Can I design a jar label including nutritional information? Students to make adapted recipe at home and film/take photos to discuss at school

T5 & T6 Textiles	Textiles: Bookmarks Reception unit- Kapow (A&B)	Textiles: Puppets Year 1 unit- Kapow (A&B)	Textiles: Cross Stitch applique Year 3 unit- Kapow (B)	Textiles: Stuffed toys Year 5 unit Kapow (B)
Key Knowledge	<ul style="list-style-type: none"> Children will develop their threading and weaving skills and experiment on different materials Children will be able to sew using thread and needle suitable for age. Compare bookmarks then and now and design their own on a plan Reflect on their bookmarks and compare similarities/differences 	<ul style="list-style-type: none"> Design a puppet and use a template. Join together two pieces of fabric using pins, staples, glue or a running stitch. Understand that when stitching both ends must be knotted. Decorate a puppet using a variety of materials. 	<ul style="list-style-type: none"> Know that fabrics have different properties Demonstrate their ability to use cross-stitch as a decorative feature or to join two pieces of fabric together. Explain the aesthetic and/or functional properties of some of their material choices. Design, cut and shape their template with increasing accuracy. 	<ul style="list-style-type: none"> Consider the user and design appropriately. Measure, mark out, cut and shape materials with some accuracy. Create an appropriate template. Use blanket stitch to assemble their stuffed toy, repairing when needed. Identify what worked well and areas for improvement.
Key Vocab	<ul style="list-style-type: none"> Thread Weave Pinch Up/down Under/over 	<ul style="list-style-type: none"> Stencil Template Safety pin Model 	<ul style="list-style-type: none"> Cross Stitch Running stitch Patch Embellish Thread 	<ul style="list-style-type: none"> Blanket stitch Applique Details Appendages
Learning Q's	<ul style="list-style-type: none"> Can I explore threading and weaving? Can I apply weaving skills to a specific material? Can I apply threading skills to a specific material? Can I design my own bookmark? Can I create a textiles bookmark? How do I reflect on my design? 	<ul style="list-style-type: none"> Can I explore different ways of joining fabric? Can I use a simple template to cut out a character? How do I join fabric using my preferred choice? Can I decorate my puppet using joining methods? 	<ul style="list-style-type: none"> What is cross stitch and applique? How do I develop and use a template? Can I use templates to cut fabric to form the base of a collar? How can I decorate fabric using cross stitch and applique? 	<ul style="list-style-type: none"> Can I design a stuffed toy using a simple template? How do I join fabric using a blanket stitch? Can I create and add decorations to fabric? How do I use a blanket stitch to assemble a stuffed toy? What do I include in a detailed evaluation?