DT Key Knowledge Progression

EUXTON PRIMROSE HILL Primary School
"Together we will make a difference."

	Food	Structures	Mechanisms	Textiles	The Design Process
EYFS	I share creative ideas with teachers and peers I choose resources to construct things out of I know how to join materials in different ways I know how to use some tools to cut/shape things I know my own opinions about foods and can say whether I like/dislike certain foods. **Key Vocabulary:** Draw, ideas, build, make, like, don't like, better, worse, cut, sew, stick, glue, chop, mix.				
Year 1	I know how to describe the taste, smell and texture of different foods. I know how to work hygienically and safely to peel and cut different foods. **Key Vocabulary:** Cut, peel, grate, slice, assemble	I know different ways to strengthen materials. I know and use the most appropriate methods for joining materials. **Key Vocabulary:** Structure, tabs, thread, secure, fix, cutting, adapt	I know how to fold, cut, roll and join materials. I know how to use scissors and can use them to cut straight and curved lines. I know what the difference between a lever and a slider is **Key Vocabulary:** Lever, slider, pivot, push, pull		I know what my product needs to have to make it successful. I know what is good and bad about my product and can talk about this with an adult. **Key Vocabulary:** Evaluate, design
Year 2	I know where some of my food comes from. I can measure some foods with support. **Key Vocabulary:** Healthy, diet, measure, prepare		I know what wheels and axles are and how these work together. I know how to use a hacksaw safely. **Key Vocabulary:** Axle, wheel, wheel stop, chassis	I know how to accurately cut out templates. I know how to use a running stitch with some support. I know the different ways of decorating my product and use a variety of these within my work. **Key Vocabulary:** Materials, template, sewing, stitch	I know the purpose and audience of my product. I know the tools I will use to make my product. I know how to compare my end product to my initial design and discuss any changes I made. **Key Vocabulary:** Design, evaluation
Year 3	I know how to follow instructions and recipes I know what the Eatwell Plate is and can name some of the different aspects. I know what makes a balanced diet. **Key Vocabulary:** Nutrition, Carbohydrates, Protein, Fats, Balanced Diet	I know what a roman chariot should look like and how it will move. I know different ways of making structures more stable. **Key Vocabulary:** Chariot, stable, support	I know what linkages and levers are and how these work. **Key Vocabulary:** Mechanism, lever, linkage, loose pivot, fixed pivot, guide		I know what a design brief is. I know how to create and develop products, choosing which one to make as a final product and which materials I will use. I consider how the final product could be improved upon. **Key Vocabulary:** Design brief, prototype
Year 4	I know how to analyse and discuss the taste, smell and appearance of different foods. I know different methods of fishing. I know how to safely chop food. **Key Vocabulary:**	I know different types of bridges and can distinguish between these, discussing their similarities and differences. I know how to accurately measure wood and dowelling.	I know the basic parts of a circuit (battery, wire, bulb, motor, switch). **Key Vocabulary:** Conductor, insulator, circuit, bulb, motor, wire, battery, switch	I know different types of stitches and use at least one of these in my work. I know different types of fasteners and choose the most appropriate one for my design.	I know what product research is. I know how to plan the steps I will take to achieve my final product. I know the strengths and weaknesses of my products and discuss how my product has met the design brief.

	Sustainable, appearance	I know how to cut and join wood and dowelling using a mixture of straight and angled joins. **Key Vocabulary:** Join, jinx corner, measure, cut		**Key Vocabulary:** Disassembly, template, join, fastening, stitch	**Key Vocabulary:** Design brief, investigate, fit for purpose, evaluation, design, construction, user
Year 5	I know how to prepare foods which have been planned with the needs of the consumer in mind. I know how to weigh food. **Key Vocabulary:** Recipe, measure, high fat, high sugar	I know how to cut wood to 1mm. I know how to use a glue gun and other methods to join and stiffen materials. I know how to use a hand drill to mark hole positions. **Key Vocabulary:** Join, stiffen, strengthen	I know how different cams have different effects. I know how cams work with other parts of the toy in order to make it move. **Key Vocabulary:** Motion, linear motion, mechanism, circular cam, pear cam, snail cam	I know different types of stitches, using running stitch confidently and attempting to use one more. I know how to appropriately finish products with the consumer in mind. **Key Vocabulary:** Disassembly, template, seam allowance, contrasting colour, coordinating colour	I know how to independently plan the stages of my project. I know how to independently decide on the tools and materials I will use. **Key Vocabulary:** Design brief, evaluation, plan, deconstruct, construct, fit for purpose
Year 6	I know how to use an oven/slow cooker with a level of independence. I know how foods can be made e.g. reared, caught, processed. I know the names of different types of bread and why certain breads rise. **Key Vocabulary:** Ingredients, recipe, measure, preparation, knead, rise, bake, seasonal	I know what a vehicle is and how its basic structure allows it to move and turn. I know the importance of thinking about the exterior of my product as well as it functionality. **Key Vocabulary:** Template, chassis, axle, wheel, body	I know how to create a working, parallel circuit with multiple components. I know how to connect my circuit to the most appropriate part of my vehicle to ensure that it moves. **Key Vocabulary:** Circuit, circuit diagram, component		I know how to independently plan, gather materials, finish and evaluate my product. **Key Vocabulary:** Design brief, fit for purpose, evaluation, plan, construct, deconstruct