

Design and Technology Substantive Knowledge Overview

Key Concepts:	Structures	Textiles	Mechanisms	Food
EYFS	All about me Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form, and function. Can you build your home?	Toys Share their creations, explaining the process they have used. Can you design and build a toy?		Healthy food choices Can you choose foods to make a healthy snack for a picnic?
Year 1/2	Moving Pictures <i>the lives of significant individuals in the past who have contributed to national and international achievements</i> Can you make a moving image of a famous monarch?	Homes <i>Changes in Living Memory</i> <i>events beyond living memory that are significant nationally or globally</i> How can you make a strong model house?		Seaside Snacks <i>Changes within living memory</i> What would you make for a picnic by the sea?
Year 3/4	Weaving <i>Devise historically valid questions about change, cause, similarity and difference, and significance.</i> What was weaving used for in the iron age?	Shadufs <i>Devise historically valid questions about change, cause, similarity and difference, and significance</i> Can you make a Shaduf to lift water?		Seasonal Food <i>understand how our knowledge of the past is constructed from a range of sources.</i> Can you make a healthy seasonal tart?
Year 5	Tacos <i>Devise historically valid questions about change, cause, similarity and difference, and significance</i> What foods did the Aztecs eat?	Applique and Embroidery <i>Understand how our knowledge of the past is constructed from a range of sources.</i> Can you create an image from the Bayeux Tapestry?		Pioneering Programming <i>note connections, contrasts and trends over time and develop the appropriate use of historical terms.</i> Can you make an alarm system for an air raid?
Year 6	Boats <i>devise historically valid questions about change, cause, similarity and difference, significance</i> Can you make a boat to withstand a small storm?	Money carriers <i>understand how our knowledge of the past is constructed from a range of sources.</i> How did the Romans carry their money?		Jamaican Cuisine <i>construct informed responses that involve thoughtful selection and organisation of relevant historical information.</i> Can you create a recipe with ingredients grown in Jamaica?