



Design and Technology Long Term Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year R	Cooking and Nutrition Coconut Barfi Learning about ingredients and their properties, using basic ingredients and tools to make a coconut barfi.	Structures Building a structure and exploring how it can be made stronger and longer.	Manipulating Materials Making Books Creating a functional product with a purpose in mind and manipulating materials by folding.		Joining Using a split pin to enable an element of a vehicle to move. Construction Planning and constructing a boat that can float.	Cooking and Nutrition Healthy Fruit Kebab Planning and designing their own healthy fruit kebab, evaluating what they would change about it after consumption.
Year 1	Pivots Christmas Decorations Investigating a range of pivoted found in daily life, exploring how split pins can be used to create movement, planning and making a Christmas decoration with moving parts for The Range (and their peers) to evaluate.		Axles and Wheels Moon Buggies Investigating the use and development of moon buggies, investigating construction kits to help design a moon buggy with a set criteria, constructing a moon buggy with an axle and wheels for NASA, evaluating it once finished.		Cooking and Nutrition Healthy Sandwiches Identifying healthy foods, designing a sandwich based upon this criteria, using simple tools and ensuring good hygiene when making their sandwich for Paddington Bear and evaluating their sandwiches once made.	
Year 2	Joining Materials Wild Things Exploring a variety of methods of joining materials together, considering which method is appropriate for the purpose and evaluating what went well and what was difficult when making their own Wild Things character for a new book.		Sliders, levers and pivots Moving Pictures Exploring a range of sliders, pivots and levers found in daily life, investigating movement and using this knowledge to plan and design a moving picture that can be used in a new moving part book for the school library.	Cooking and Nutrition Fruit Salads Finding out where food comes from, beginning to learn about food groups, planning and designing a new fruit salad for Waitrose, using simple tools, ensuring good hygiene and evaluating the final product.	Textiles Pencil Cases Exploring a range of pencil cases, identifying how they are designed and made, planning and sewing together a pencil case for Smiggle, adding embellishments, ensuring safe use of tools and evaluating the final product.	