



## Design and Technology Long Term Overview

|               | Autumn 1   | Autumn 2   | Spring 1   | Spring 2 | Summer 1  | Summer 2  |
|---------------|--|--|--|----------|---|---|
| <b>Year R</b> | <p><b>Cooking and Nutrition</b><br/><b>Coconut Barfi</b><br/>Learning about ingredients and their properties, using basic ingredients and tools to make a coconut barfi</p>  | <p><b>Structures</b><br/>Building a structure and exploring how it can be made stronger and longer</p> | <p><b>Manipulating Materials</b><br/><b>Making Books</b><br/>Creating a functional product with a purpose in mind and manipulating materials by folding</p>  |          | <p><b>Joining</b><br/>Using a split pin to enable an element of a vehicle to move</p> <p><b>Construction</b><br/>Planning and constructing a boat that can float</p>  | <p><b>Cooking and Nutrition</b><br/><b>Healthy Fruit Kebab</b><br/>Planning and designing their own healthy fruit kebab, evaluating what they would change about it after consumption</p> |
| <b>Year 1</b> | <p><b>Pivots</b><br/><b>Christmas Decorations</b><br/>Investigating a range of pivoted items 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</p>            |  | <p><b>Axles and Wheels</b><br/><b>Moon Buggies</b><br/>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</p> |          | <p><b>Cooking and Nutrition</b><br/><b>Healthy Sandwiches</b><br/>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</p> |   |
| <b>Year 2</b> | <p><b>Sliders, levers and pivots</b><br/><b>Moving Pictures</b><br/>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</p> |  | <p><b>Cooking and Nutrition</b><br/><b>Fruit Salads</b><br/>Finding out where food comes from, beginning to learn about food groups, planning and designing a new fruit salad for the school kitchen, using simple tools, ensuring good hygiene and evaluating the final product</p>       |          | <p><b>Textiles</b><br/><b>Pencil Cases</b><br/>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</p>          |   |