

Design and Technology Overview

Continuous throughout the year

- **Developing, planning and communicating ideas.**
- **Working with tools, equipment, materials and components to make quality products (including food).**
- **Evaluating processes and products.**

EYFS	Theme : Magical Me! (Autumn) Exploring joining techniques Building and balance using different construction materials. Links to stories e.g Three little pigs Creating cards linked to celebrations	Theme : Sea, sky and beyond (Spring) Using different materials to construct pirate ships, caves Food – Healthy food choices exploring fruit	Theme : In the jungle (Summer) Design and construct animal homes Using different materials and different tools
Year 1	Theme: Fire Fire! (Autumn 2) Mechanisms Sliders and levers Engineer Melonee Wise (Robot Engineer)	Theme: Castles and Dragons (Summer 1) Structures Exploring how they can be made stronger, stiffer and more stable. Famous Designer - Gundulf (1024-1108) – Norman Romanesque Builder and Architect	Theme:I Am Amazing (Summer 2) Food Cooking and nutrition- understand where food comes from. Famous Chef - Jamie Oliver
Year 2	Theme: (Autumn 1) Food Preparing fruit and vegetables Design healthy wrap for school lunch Famous Chef : James Martin	Theme: (Spring 1) Textiles Templates and joining techniques Design Explorer bag Designer Anna Hindmarch	Theme: (Spring 2) Mechanisms Wheels and axles Design a Moon Buggy Designer Ferenc Pavlics
Year 3	Theme: How To Grow A Dragon (Autumn 1) Structures Creating shell structures Design and make mini greenhouse Designer –Michelangelo	Theme: Exciting Egypt (Spring 2) Mechanical Levers and linkages Design and make a ‘Shadoof’	Theme: Bring Me Sunshine (Summer 2) Food Understand whether food is grown, reared or caught Design and making Vegetable Soup

<p>Year 4</p>	<p>Theme: Electrifying! (Autumn 1)</p> <p>Electrical systems- control and electrical components Light Box (torch) Designer -Thomas Edison</p>	<p>Theme: Food Glorious Food (Spring 1)</p> <p>Food Chocolate- Design a new chocolate bar and wrapper Designer- Cadburys</p>	<p>Theme: Europe Here we come (Summer 1)</p> <p>Textiles Understand how to strengthen, reinforce and join fabrics using pattern Designer Cath Kidston</p>
<p>Year 5</p>	<p>Theme: Houston We have a problem! (Autumn 2)</p> <p>Mechanical systems- cams, pulleys and gears. Understand how gears and pulleys can be used to speed up, slow down or change the direction of movement.</p>	<p>Theme: How did they do that? (Spring 2)</p> <p>Food Prepare and cook savoury dishes including meat. Design and write recipe.</p>	<p>Theme: Who let the Gods Out! (Summer 2)</p> <p>3D Textiles Design doorstops using combination of accurately made pattern pieces, fabric shapes and different fabrics. Designer- Laura Ashley</p>
<p>Year 6</p>	<p>Theme: No man's Land/ Rise and Fall (Autumn 2)</p> <p>Food Create dishes that would have been eaten in World War 1 Celebrating culture and seasonality (including cooking and nutrition requirements for KS2)</p>	<p>(Spring1)</p> <p>Electrical Systems and Combining learning from across DT skills bases- structures, mechanical systems, electrical systems, ICT programming and control.</p> <p>Making a remote control car for a year 1 child that moves and has electrical components – can move forwards and backwards and has lights Designer- Henry Ford</p>	<p>(Spring 2)</p> <p>Electrical Systems and Combining learning from across DT skills bases- structures, mechanical systems, electrical systems, ICT programming and control.</p> <p>Making a remote control car for a year 1 child that moves and has electrical components – can move forwards and backwards and has lights</p>