Overview of Design and Technology Content

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Autumn 1 | Autumn 2 | Spring 1  | Spring 2 | Summer 1 | Summer 2 |
| **Reception** |  |  |  |  | **Make a fruit salad**  | **Papier mâché dragon eggs**  |
| **Year 1** | **Mechanisms: Wheels and axles**Vehicles  | **Textiles:****2-D shape to 3-D product**Puppets |  |  | **Food:****Preparing fruit and vegetables****Vegetable salad**   |  |
| **Year 2** | **Mechanisms: Sliders and Levers**Moving superhero card |  | **Food:** **Preparing fruit and vegetables**Fruit smoothies  |  | **Structures: Freestanding structures** enclosures for zoo animals |  |
| **Year 3** | **Mechanical systems:****Levers and linkages**Class display/information book  |  |  | **Structures:****Shell structures**Egyptian nets  |  | **Food:****Celebrating culture and a healthy varied diet****Dips and Dippers** |
| **Year 4** |  |  | **Electrical Systems:****Simple Circuits and Switches**reading light**Food:****Celebrating culture and a healthy varied diet****Super Salads** | **Textiles:****2-D shape to 3-D product**Purse or bag inspired by the Romans |  |  |
| **Year 5** | **Electrical systems:****More complex switches and circuits**An alarm for a valuable artefact  |  |  | **Textiles:****Using computer-aided design (CAD) in textiles**Create a product influenced by Mayan textiles |  | **Food:** **Celebrating culture and seasonality** **Sustainability - Soups** |
| **Year 6** | **Mechanical Systems:****Pulleys or gears****Fairground ride** | **Food**:Designing and creating biscuits using Fairtrade ingredients | **Structures:****Frame Structures**Chairs |  |  |  |

**EYFS**

Hats

Three bears – picnic blanket or chairs

Toys

Hinges and catches