



**Design and Technology**

**Topics and Skills**

**2022-2023**

<b>Nursery</b>
<ol style="list-style-type: none"> <li>1. Scissor snips and straight lines, joining materials using glue sticks/masking tape</li> <li>2. Explore different materials and textures, use vocabulary related to textures and use construction kits (Duplo, large blocks)</li> </ol>
<b>Reception</b>
<ol style="list-style-type: none"> <li>1. Cutting skills to cut out simple objects/shapes, joining materials using PVA, tape, split pins, staples.</li> <li>2. Threading, construction equipment including Lego, mobile, Knex</li> <li>3. Apply skills of joining in more project style work</li> </ol>
<b>Year 1</b>
<b>Topic 1- Cooking and Nutrition – Eat More Fruit and Vegetables</b>
<p>Skills to be covered:</p> <p><b>Prepare dishes using the basic principles of keeping healthy</b></p> <ul style="list-style-type: none"> <li>- cut food safely</li> <li>- describe the texture of food</li> <li>- wash hands and keep surfaces clean</li> <li>- use my own ideas to make something</li> <li>- choose appropriate resources and tools.</li> <li>- make a simple plan before making.</li> </ul> <p><b>Talk about where food comes from - purchased or grown at home/school</b></p>
<b>Topic 2 - Design, Make, Evaluate, Technical knowledge - Playgrounds</b>
<p>Skills to be covered:</p> <p><b>Textiles</b></p> <ul style="list-style-type: none"> <li>- describe how textiles feel</li> <li>- make a product from textile by gluing</li> </ul> <p><b>Mechanisms/construction</b></p> <ul style="list-style-type: none"> <li>- use own ideas to make something.</li> <li>- choose appropriate resources and tools.</li> <li>- make a simple plan before making.</li> <li>- explain to someone else how to make my product.</li> <li>- describe how something works.</li> <li>- make a product which moves.</li> <li>- cut materials using scissors</li> <li>- make a model using different materials</li> <li>- make a model stronger.</li> </ul>
<b>Year 2</b>
<b>Topic 1- Cooking and Nutrition – A Balanced Diet</b>
<p>Skills to be covered:</p> <p><b>Use the basic principles of a healthy and varied diet to prepare dishes – including the 5 main food groups</b></p> <ul style="list-style-type: none"> <li>-describe properties and ingredients</li> <li>- explain what is meant by hygienic</li> <li>-be hygienic when in the kitchen</li> </ul> <p><b>Understand where food comes from – plants, animals.</b></p>
<b>Topic 2 - Design, Make, Evaluate, Technical knowledge – Mechanisms, wheels and Axles</b>
<p>Skills to be covered:</p> <p><b>Mechanisms</b></p> <ul style="list-style-type: none"> <li>-measure materials to use in a structure</li> </ul>

- join materials and components in different ways.
- use joining , folding or rolling to make materials stronger
- think of an idea and plan what to do next.
- choose tools and materials and explain why they have been chosen
- evaluate ideas and products against the design criteria
- consider how to improve a construction
- explore wheels and axles

### **Topic 3 - Design, Make, Evaluate, Technical knowledge – Pouches/Puppets**

Skills to be covered:

#### **Textiles**

- measure textiles
- cut textiles
- join textiles together to make something
- explain why a certain textile has been chosen