**Design and Technology Long Term Plan** 

**Key concepts:**

|  | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
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| **Year 1** | **Toy Story**Pop-up puppets | **Ipswich vs Greenland**Traditional Christmas decorations from Greenland - stars | **Happily Ever After**Moving story books | **Happily Ever After** | **Under the Sea**Cooking – fruit salads (linked to seasonal work) | **Under the Sea** |
| KEY CONCEPTS | Textiles |  | Mechanisms |  | Food |  |
| **Year 2** | **Great Fire Of London** | **Party Planners**A Balanced Diet | **The Great Kapok Tree**Textiles: Puppets (sewing) | **The Great Kapok Tree** | **Time Travellers**MechanismsCardboard Cars - axles, wheels and sliders. | **Time Travellers** |
| KEY CONCEPTS |  | Food | Textiles |  | Structures |  |
| **Year 3** | **Electricity and Magnets and Forces**Static Electricity | **Food Glorious Food**Eating Seasonally | **Meet the Croods** | **Meet the Croods** | **Are Bugs important** | **Ancient Egyptians**Making Castles , Adapt to Egyptian topic.Pyramids! |
| KEY CONCEPTS | Digital World | Food |  |  |  | Structures |
| **Year 4** | SoundRomans in Britain | Living things and their habitatsWorld Mapping | Animals inc humans (digestive system)Ancient Maya | States of MatterGeog (mountains, rivers, water cycle - Scottish Highlands?) | ElectricityHenry VIII and his wives | Famous ScientistsEurope and its rivers |
| KEY CONCEPTS | Structure - pavilions |  | Food: adapting a recipe |  | Textiles: Fastenings |  |
| **Year 5** | **The World at war** | **The Twelve Days of Christmas.**Mechanical systemsPop up cards | **Marvellous Magicians** | **The Highwayman** | **Dragonology**Textiles: Stuffed toysDesign a dragon. | **What a wonderful world**How could food be healthier.. |
| KEY CONCEPTS |  | Mechanisms |  |  | Textiles | Food |
| **Year 6** | **Electricity - Science**Mechanisms-Automata Toys. | **Crime + Punishment through the ages - History** | **Asia and its Earthquakes - Geography** | **Why Do Some Creatures No Longer Exist? - Science** | **Around the World in 80 Days - Geography**Come Dine with Me. | **RSHE/Science/PSHE Relationships**Playgrounds |
| KEY CONCEPTS | Mechanisms |  | Food |  |  | Structures |