**WOODLAND GRANGE**

**DESIGN AND TECHNOLOGY CURRICULUM**

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| **YEAR** | **AUTUMN TERM** | **SPRING TERM** | **SUMMER TERM** |
| **Preschool** | **FOOD**  Pumpkin cakes – links to Autumn  Coconut burfi – linked to Diwali  Sweet Vermicelli – Eid & Vaisakhi  Fruit kebabs – healthy eating  Exploring materials to create an idea | **FOOD**  Make spring rolls for Chinese New Year  Make Gingerbread men – links to Traditional Tales  Use variety of materials to create a finished project | **FOOD**  Frozen ice lollies  Create emergency service vehicles from junk materials  Create own beach scene  Create masks using a variety of materials  Making and decorating biscuits for end of year party  Begin to add to a product to further develop an idea |
| **Foundation stage** | Using scissors effectively: cutting straight and wavy lines and cutting around shapes  Making own models for small world play e.g. castles and houses  Fruit crumble  Soup  Focus on joining materials – split pin poppy | 3D sculptures linked to Orla Kiely artwork  Design and make a musical instrument  Pancakes and pancake toppings  Mother’s Day afternoon tea | Mini beast houses  Design and make a mermaid’s tail |
| **1** | **STRUCTURES**  **(free standing structures)**  A chair for baby bear | **MECHANISMS**  **(Sliders and levers)**  Easter card | **FOOD**  **(preparing fruit and vegetables)**  Healthy sports day snack/ fruit skewer |
| **2** | **FOOD**  **(preparing fruit and vegetables)**  Savoury muffins | **MECHANISMS**  **(Wheels and axles)**  Fire engines | **TEXTILES**  **(Templates and joining techniques)**  Glove puppets from a traditional tale |
| **3** | **FOOD**  **(Healthy and varied diet)**  Healthy snacks | **TEXTILES**  **(2D shape to 3D product)**  Money holders | **MECHANICAL SYSTEMS**  **(Pneumatics)**  Moving toy |
| **4** | **MECHANICAL SYSTEMS**  **(Levers and linkages)**  Moving Roman solider | **STRUCTURES**  **(Shell Structures & Shell Structures using CAD)**  (linked with science unit on Human impact/climate change)  Recyclable lunchboxes | **ELECTRICAL SYSTEMS**  **(Simple circuits and switches)**  (linked in with electricity unit in Science)Torches |
| **5** | **MECHANICAL SYSTEMS**  **(Pulleys and Gears)**  Space rovers | **STRUCTURES**  **(Frame Structures)**  Shelter for a new settlement | **FOOD**  **(Celebrating Culture and Seasonality)**  Seasonal soup |
| **6** | **TEXTILES**  **(Combining different fabric shapes)**  Christmas decorations | **MECHANICAL SYSTEMS**  **(Cams)**  Moving endangered animals  (linked in with prior science work on habitats) | **ELECTRICAL SYSTEMS**  **(Monitoring and control)**  Alarm for school play shed |