**WOODLAND GRANGE**

**DESIGN AND TECHNOLOGY CURRICULUM**

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| **YEAR**  | **AUTUMN TERM** | **SPRING TERM** | **SUMMER TERM** |
| **Preschool** | **FOOD**Pumpkin cakes – links to AutumnCoconut burfi – linked to DiwaliSweet Vermicelli – Eid & VaisakhiFruit kebabs – healthy eatingExploring materials to create an idea | **FOOD**Make spring rolls for Chinese New YearMake Gingerbread men – links to Traditional TalesUse variety of materials to create a finished project | **FOOD**Frozen ice lolliesCreate emergency service vehicles from junk materialsCreate own beach sceneCreate masks using a variety of materialsMaking and decorating biscuits for end of year partyBegin to add to a product to further develop an idea |
| **Foundation stage** | Using scissors effectively: cutting straight and wavy lines and cutting around shapesMaking own models for small world play e.g. castles and housesFruit crumbleSoupFocus on joining materials – split pin poppy | 3D sculptures linked to Orla Kiely artworkDesign and make a musical instrumentPancakes and pancake toppingsMother’s Day afternoon tea | Mini beast housesDesign 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 |