**Design and Technology Long Term Plan**

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|  | Reception | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| Autumn | Give children opportunities to meet the Early Learning Goal in Creating with Materials | Mechanical Systems (pivots and levers)Children will make a moving toy/ pop up character out of paper and card. | Textiles (basic sewing)Children will make finger puppets by creating templates and joining them together. | Stable structures (weight and shape)Children will make a Stone Age House using strengthening techniques. | Textiles (sewing)Children will make purses adding a fastening. | Stable structures (woodwork)Children will make a bird box/hedgehog house/bug hotel with a frame structure.**At college** | TextilesChildren will make a bag/cushion using different stitches to decorate. |
| Spring | Give children opportunities to meet the Early Learning Goal in Creating with Materials | Stable structuresChildren will make a chair for baby bear to sit on. | Cooking and NutritionChildren will make fruit smoothies using the skills from year 1 and thinking about flavour combinations. | Mechanical systems (moving parts)Children will make puppets using pneumatic mechanisms. | Structures (beams and pillars)Children will build an aqueduct focusing on strengthening. | Mechanical systems (levers, pulleys and CAMs)Children will make a moving toy. | Cooking and NutritionChildren will make a healthy lunch focusing on which food is sourced locally and seasonal ingredients. |
| Summer | Give children opportunities to meet the Early Learning Goal in Creating with Materials | Cooking and NutritionChildren will make fruit kebabs using basic cutting skills. | Mechanical Systems (axles)Children will make a toy car. | Cooking and NutritionChildren will make food from the Shanghai Dynasty | InventionsElectrical componentsChildren will make a wire buzz game using an electrical circuit. | Cooking and NutritionChildren will make Mayan theme dishes e.g. chilli using skills built on in Year 3. | Mechanical and electrical systems- computer programmed**At college** |