| **EYFS** | Children develop their creativity and Design & Technology skills throughout the year in a variety of ways.* Make imaginative and complex ‘small worlds’ with blocks and construction kits, such as a city with different buildings and a park.
* Express freely the thoughts and emotions that designs and structures elicit.
* Develop their fine motor skills so that they can use a range of tools competently, safely and confidently including the use of scissors, paintbrushes and cutlery.
* Experiment with colour, design, texture, form and function including mixing colours and overlapping materials.
* Build a design based on reactions to senses including images and sounds.
* Develop an understanding of the world by exploring how things work.
* Create collaboratively, sharing ideas, resources and skills including building group structures such as a shelter.
 |
| --- | --- |
|  | **Autumn** | **Spring** | **Summer** |
| **Year 1** | MechanismsCreate a christmas card that incorporates a slider and lever. | StructuresCross-curricular: History: development of toys through the ages.Design a structure to hold a toy. | FoodPrepare fruits and vegetables to make a summer salad. |
| **Year 2** | MechanismsCross-curricular: Science: materialsUsing construction kits with wheels and axles, children will make a product that moves | TextilesCross-curricular: Science: everyday materialsDesign, make then evaluate a finger puppet inspired by clothing  | FoodCross curricular: Science: Animals and humans.Inspired by the Eatwell Guide, children will design their own healthy dessert. |
| **Year 3** | FoodCross-curricular: Science: Animals and Humans.Children design a healthy sandwich.  | TextilesChildren research, design, create then evaluate a pencil case. | StructuresCross curricular: PSHE: inspired by other cultures.Children will design, make then evaluate packaging.  |
| **Year 4** | Mechanical SystemsDesign, make then evaluate an object that works using air. | Electrical systemsCross-curriculum: Science: Digestive systemDesign. make then design a battery powered torch. | FoodCross-curricular: Science: digestive systemDesign, make then evaluate a healthy meal inspired by the Eat well guide. |
| **Year 5** | FoodCross curriculum link: living things and their Habitats and Animals, including humans. Also: PSHE: CulturesResearch a culture then design, make and evaluate an item of food that celebrates the culture. Experiment with seasoning and how it impacts the taste of the product produced. | StructuresCross Curricular links: Compare to Anglo Saxon building structure. (Housing or boat).Design, make and evaluate a built structure. Plan using CAD. | Electrical systemsDesign, make the evaluate a car that uses a motor component.  |
| **Year 6** | TextilesCross-curricular: History: TudorsBased on knowledge of the Tudors, design, make and evaluate an item inspired by Tudors clothing such as a purse.  | Mechanical systemsCross-curricular: Science: ElectricityResearch and experiment with a variety of electric circuit components. Design, make then evaluate a carousel. | FoodCross curriculum: Geography – explore culture in South America. Also, Science – links to animals and humans regarding diet (nutrients).Design, make and evaluate an item of food that celebrates the culture. Experiment with seasoning and how it impacts the taste of the product produced. |