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|  LONG TERM FORECAST Key Stage 1 Design and Technology 2017-2019  |
|  |  Autumn  | **Spring**  | **Summer**  |
| **Aims**The national curriculum for design and technology aims to ensure that all pupils:* develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world
* build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users
* critique, evaluate and test their ideas and products and the work of others
* understand and apply the principles of nutrition and learn how to cook.
 | When designing and making, pupils should be taught to:**Design*** design purposeful, functional, appealing products for themselves and other users based on design criteria
* generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology

**Make*** select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]
* select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics

**Evaluate*** explore and evaluate a range of existing products
* evaluate their ideas and products against design criteria

**Technical knowledge*** build structures, exploring how they can be made stronger, stiffer and more stable
* explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.

**Cookery and Nutrition*** use the basic principles of a healthy and varied diet to prepare dishes
* understand where food comes from.
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| **Year 1- Topic**  |  **Model house** | **Puppets** | **Fruit Salad** |
| Y1 Assessment milestone | Use materials to practise drilling, screwing, gluing and nailing materials to make and strengthen products. | Shape textiles using templates. | Cut, peel or grate ingredients safely and hygienically. |
| **Year 2 Topic**  | **Paper toys** | **Vehicles**  | **Sandwiches** |
| Y2 Assessment milestone | Demonstrate a range of cutting and shaping techniques (such as tearing, cutting, folding and curling). |  Create products using levers, wheels and winding mechanisms. | Assemble or cook ingredients. |