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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. | | | |
| **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. |