|  |  |  |  |
| --- | --- | --- | --- |
| DT KS 2 | | | |
| At Dane Ghyll Community Primary School pupils will be taught about:  **Design**   * use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups * generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design   **Make**   * select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately * select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities   **Evaluate**   * investigate and analyse a range of existing products * evaluate their ideas and products against their own design criteria and consider the views of others to improve their work * understand how key events and individuals in design and technology have helped shape the world   **Technical knowledge**   * apply their understanding of how to strengthen, stiffen and reinforce more complex structures * understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] * understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors] * apply their understanding of computing to program, monitor and control their products.   **Cooking and nutrition**  As part of their work with food, pupils should be taught how to cook and apply the principles of nutrition and healthy eating. Instilling a love of cooking in pupils will also open a door to one of the great expressions of human creativity. Learning how to cook is a crucial life skill that enables pupils to feed themselves and others affordably and well, now and in later life.   * understand and apply the principles of a healthy and varied diet * prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques * understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed. | | | |
| DT – KS2 | | | |
| **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| * Stone Age Dwellings * Light Boxes * Photograph Frames * Cooking - Eating Seasonally * Cookery Club for all children throughout the year | * Jewish Sukkots * Textiles - Sewing Stockings * Canopic Jars * Cooking - European Foods * Viking Shields or Viking Boats * Anglo Saxon Houses * Musical Instruments | * Textiles – Cross Stitch * Tudor Banquet * Greek Vases * Making Volcanoes * Buddhist Prayer Flags | * Grow £5 Scheme * Wartime Cooking * Constructing 3D Maths Games for Year 2 children * Steady Hand Electricity Game * Textiles – Make do and Mend |

Children will also take part in seasonal crafts for Christmas, Easter, Halloween, Remembrance, Bonfire Night, Diwali and other Festivals.