



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

| Yr.3 | Yr. 4 | Yr.5 | Yr. 6 |
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| <ul style="list-style-type: none">• Stone Age Dwellings• Making Guitars• Roman Shields | <ul style="list-style-type: none">• Constructing Volcanoes and Mountains• African Tribal Masks• Plaster Work to make Egyptian artefacts• Pyramids• Making Ice Lollies• Viking Shields or Viking Boats• Famous Islamic Lanterns | <ul style="list-style-type: none">• Textiles – Tudor Badges• Tudor Banquet• Clay Buddhas• Greek Temples• Wesak Lanterns• Buddhist Prayer Flags | <ul style="list-style-type: none">• Christmas Crafts• Wartime Cooking• Constructing Maths Games for Year 2 children |

