

### INTENT

At Valewood, we have a rich tradition of Design Technology practice. Children to learn through stimulating, challenging and enjoyable activities. Children are encouraged to express their thoughts and ideas through a range of investigation and annotated sketches in their individual Design Technology Log Books; after being exposed to existing designs and products. We use some topics and themes as inspiration for children's Design Technology work, however the 'stand-alone' projects are just as innovative and well-researched, providing children with a rich depth of knowledge and exploration.

Throughout school, skills are introduced, developed and refined. By the end of their primary career all children will have been exposed to a wide range of designers, architects, engineers, chefs and innovators from the UK, around the world and from different time periods, learning about and from each related person and their work.

During the Early Years the children will enjoy investigating design technology through drawing, sculpture, and outdoor play, and are encouraged to use a variety of tools and techniques. They will look at selected designers and their work, using these as inspiration for their own work.

Throughout Key Stage 1 the children have the opportunity to explore different aspects of Design Technology including investigating how things are made, the engineers/ designers/ architects/ chefs who have created similar designs and will explore existing inventions, using them as inspiration for their own work. Children will work on a range of basic skills which will enable them to help create their own ideas.

Throughout Key Stage 2 the children further develop the ability to select their own techniques and tools to create their own project. They will be exposed to additional designers, engineers, chefs and architects from a range of countries, styles and time periods. They will further develop their skills in textiles, electricity, CAMs, mechanisms, structures and food technology.

### IMPLEMENTATION

1. The National Curriculum 2014 will be taught to all pupils.
2. Children's Rights also underpin our Design Technology curriculum. This includes making connections between the UNCRC and people from different cultures and the impact that Design Technology plays in different societies. It also ensures that children's education is broad and balanced and provides children with opportunities to show their skills and talents in Design Technology.
3. Design Technology can be taught weekly or as a block of learning.
4. Planning involves teachers creating engaging lessons, often involving high-quality resources to aid understanding of conceptual knowledge.
5. Cross curricular links will be made between subjects where appropriate, and the cross curricular themes will be planned for within the curriculum.
6. Opportunities will be taken to enliven the curriculum through educational visits out of school; involvement of parents, visitors, engineers, working designers, local crafts people; the use of the school grounds, the locality and the wider environment.
7. As a whole school approach, children will use Log books (from Year 1) to show the knowledge and skills learnt. They will use the Logbooks to show progression and use them for evaluation of their own and others work.
8. We build upon the learning and skill development of the previous years. As the children's knowledge and understanding increases, and they become more proficient in applying design technology knowledge and skills.
9. The subject coordinator will be given responsibility for leading, managing, monitoring, evaluating and reviewing the curriculum.
10. Every other year, the whole school will take part in an Artisan Craft Market, in which each class will engage in a theme and produce creative work, challenging their imagination, encouraging and celebrating originality. This also gives the children perspective into how their own work can be designed, produced and sold in the "real world"; that Design Technology has value and a much needed place in society and the wider world.

### IMPACT

Children's work and achievement within the curriculum will be celebrated and displayed to enable it to make a significant impact on the visual appearance of the school and to contribute positively to our inclusive ethos. The exciting curriculum that we provide will help children to understand how to apply a range of skills whilst also deepening their cultural awareness and increase their understanding of Design Technology, history, time and place.

Logbooks will become a creative record of how the children can further develop the work they have work produced and will enable the children to develop confidence and show progression through acquiring skills that will be transferable and adaptable to all others of the curriculum, celebrating their originality as well as appreciating work produced by a wide variety of different engineers, architects, chefs and designers.

A range of assessment tasks will also be used to revisit previous years skills and knowledge to ensure knowledge and understanding is embedded in the children's long-term memory.

*Revised September 2022*