



## **Powerstock School Design Technology**

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### **Intent:**

Design and technology should be fully inclusive to every child. Our aims are to: fulfil the requirements of the National Curriculum for design and technology, provide a broad and balanced curriculum, ensure the progressive development of knowledge and skills, to learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens through evaluation of past and present design and technology, develop a critical understanding of its impact on daily life and the wider world, to participate successfully in an increasingly technological world using the language of design and technology.

### **Implementation:**

To ensure high standards of teaching and learning in design and technology, we implement a curriculum that is progressive throughout the whole school. Design and technology is taught as part of a termly topic, focusing on knowledge and skills stated in the National Curriculum.

The design and technology curriculum at Goldenhill is based upon the 2014 Primary National Curriculum in England, which provides a broad framework and outlines the knowledge and skills taught in each Key Stage. Teachers plan lessons for their class using our progression of knowledge and skills documents. Teachers can use these documents to plan their design and technology lessons suitable to their class's interests and what they want to learn about. The progression document ensures the curriculum is covered and the skills/knowledge taught is progressive from year group to year group. . Our design and technology curriculum is high quality and is planned to demonstrate progression and repetition.

We make good use of our Forest school setting and school environment to gain practical skills and solve problems. We use opportunities across the curriculum to design, make and evaluate products.

Our school community highly values food production and eating nutritional food. We use our local farming links to understand how and where our food comes from and the impact food production can have on the environment and of the quality of food we eat. All children in the school have opportunities to grow and cook their own food using our school kitchen garden.

### **Impact:**

Within design and technology, we strive to prepare children to take part in the development of tomorrow's rapidly changing world. We aim to encourage children to become creative problem-solvers, both as individuals and as part of a team. Through the study of design and technology, children combine practical skills with an understanding of aesthetic, social and environmental issues, as well as of functions and industrial practices. This allows them to reflect on and evaluate present and past design and technology, its uses and its impact.