



# Design Technology



## Aims

Through our Design Technology curriculum children will develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world.

They will 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.

They will be able to critique, evaluate and test their ideas and products and the work of others.

They will understand and apply the principles of nutrition and learn how to cook.

## Vocabulary

Pupils develop a wide vocabulary, using technical and topic vocabulary

The Progression of vocabulary is mapped across the year groups, ensuring vocabulary is introduced, learnt, revisited, mastered, used and built on each year.

## Big Ideas



5 key areas within each year group (which are built on term by term)

- Design
- Make
- Evaluate
- Technical Knowledge
- Cooking & Nutrition

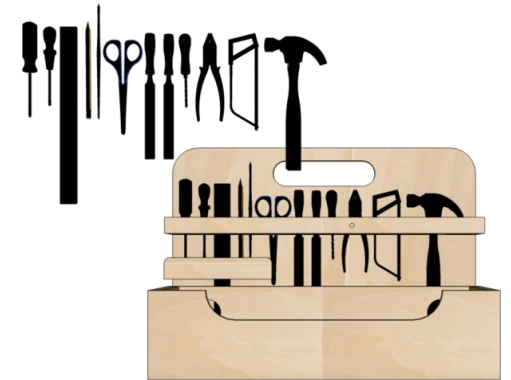
## Cross curricular links

- **Maths:** Children collect and manipulate data. Weigh and measure accurately
- **English:** Children research and make notes. Reading is an integral part of some units.
- **Computing:** Technology is used in research and presentation, CAD.
- **Art:** use of artists as inspiration in design briefs .
- **Science :** links to electricity/ mechanical systems to ensure opportunities to extend learning and achieve a greater depth of knowledge .

## Content and Sequencing



- EYFS: Within the context of Expressive Arts and Design ELG Children will safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. They will share their creations, explaining the process they have used.
- In KS 1 and 2 the curriculum is supported by the DT Association 'Projects on Page'. Learning is built on across the 5 big ideas in two and three year rolling yearly plans ensure good coverage across all year groups.



## Progress



Learning is carefully sequenced so prior knowledge and concepts are built upon; working with our structure of mixed aged classes.

Learning outcomes are shown in floor books.

## Support



- Every pupil has access to the National Curriculum Programme of Study.
- One-to-one and small group support.
- Scaffolded learning and structured questioning to support.