

Design and technology at Shaw

At Shaw, children receive a design and technology curriculum which is inspiring, creative and practical. Children are given the opportunity to use their imagination through product design and creation. Evaluation is a key element which the children at Shaw are taught through this subject, they learn the skill of evaluating their designs in order to improve. Children begin evaluating designs of past and present technology, building up an idea of its impact on daily life and the wider world. Through design and technology at Shaw, children will learn basic cooking skills.



WHY do we teach this subject? (What does it add to the education of each child?)

The ability to create real objects through the interaction of imagination and the application of knowledge and skills is a vital part of understanding the World around us. DT allows children to apply the knowledge and skills learned in other subjects, particularly Maths, Science and Art in order to design and create. It gives children the opportunity express their creativity through visual and practical rather than written means.

WHAT do we teach?

The ability to develop ideas, design, make, evaluate and improve.

The ability to master techniques and practical skills.

What are our end-points? What knowledge, skills and understanding do we want children to have on leaving Shaw School?

- Originality and the willingness to take creative risks to produce innovative ideas and prototypes.
- The ability to use time effectively, work constructively and productively with others.
- The ability to carry out research, show initiative and ask questions to develop knowledge of the user's needs.
- The ability to act as responsible designers and makers, working ethically, using finite materials carefully and working safely.
- A knowledge of which tools, equipment and materials to use to make their products.
- The ability to apply mathematical knowledge and skills accurately.
- The ability to manage risks well and manufacture products safely and hygienically.
- A passion for the subject.