



All things are possible for those who believe. (Mark 9:23)

Learning together we grow in faith.

Curriculum Statement –Design and Technology

At Little Heaton CE Primary School, children receive a design and technology curriculum which allows them to exercise their creativity through designing and making. The children are taught to combine their designing and making skills with knowledge and understanding in order to design and make a product. Skills are taught progressively to ensure that all children are able to learn and practice in order to develop as they move through the school. Evaluation is an integral part of the design process and allows children to adapt and improve their product, this is a key skill which they need throughout their life. D&T allows children to apply the knowledge and skills learned in other subjects, particularly Maths, Science and Art. Children will learn basic cooking skills. Weaving through all of our design and technology teaching is a commitment to enhancing and promoting our core Christian values of creativity, courage and perseverance.

Implementation

Our curriculum is shaped by our school vision which aims to enable all children, regardless of background, ability, additional needs, to flourish to become the very best version of themselves they can possibly be. We teach the National Curriculum, supported by a clear skills and knowledge progression using the Kapow scheme of work, which teachers adapt for the needs of their pupils and the school's context. This ensures that skills and knowledge are built on year by year and sequenced appropriately to maximise learning for all children.

All teaching of DT should follow the design –make-evaluate cycle. Each stage should be rooted in technical knowledge. The design process should be rooted in real life, relevant contexts to give meaning to learning. While making, children should be given choice and a range of tools to choose freely from. To evaluate, children should be able to evaluate their own products against a design criteria. Each of these steps should be rooted in technical knowledge and vocabulary. DT should be taught to a high standard, where each of the stages should be given equal weight.

The key skills we teach the children are:

- sewing and textiles
- cooking and nutrition
- electrical and mechanical components
- structures and materials

Impact

By the time a child leaves Little Heaton CE Primary they will have:

- A positive attitude to learning and independent working.
- The ability to use time efficiently and work constructively and productively with others.
- The ability to carry out thorough research, show initiative and ask questions to develop a detailed knowledge of users' needs.
- The ability to act as responsible designers and makers, working ethically, using finite materials carefully and working safely.
- A thorough 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 exceptionally well to manufacture products safely and hygienically.
- A passion for the subject.