



DT at Cropwell Bishop Primary School



DT forms an important part of our curriculum. We follow the National Curriculum and deliver an ambitious, knowledge and skills-based curriculum that aims to inspire children's creativity. As a school, we encourage innovation and problem solving with our topics as children are encouraged to design and make their own unique products whilst also learning the same skills and having the same opportunities as others. Our DT topics have a clear progression allowing each year to be challenged. We aim to enthuse and support all abilities through high quality teaching and learning, where children are encouraged to be independent, reflective and resilient.

Curriculum design and sequencing of content

We teach children a knowledge rich curriculum that is ambitious and designed to build on previous content as children progress through school. All year groups study a DT unit three half terms a year with every year group studying food technology in autumn term. The other two units are either mechanisms, structures or textiles to allow children to learn a variety of skills. All DT areas get increasingly difficult both in skills and knowledge throughout the years, enabling children to build on what they have already experienced. Some teachers choose to link DT to some of their other subjects.

Generating Ideas

When children are generating ideas, it is good practice for these to be informed by existing products they have explored and evaluated. This draws together designing and evaluating in a coherent way that makes sense to children and reflects D&T in the wider world. Children are encouraged to be reflective and make links to the products' purposes and audiences when deciding their effectiveness.

Making Skills

DT making is about using a wider range of materials and components, including construction materials and kits, textiles, food ingredients, mechanical components and electrical components to assemble, combine and join whilst also following procedures for safety and hygiene. Children experience using a wide range of equipment with increasing independence, difficulty and complexity throughout their time at school.

Lens

When planning and teaching DT topics each will incorporate our DT Lens:

- Knowledge and understanding: Children learn a wide range of vocabulary to participate effectively in discussions and contribute ideas. They learn a variety of skills.
- Making Skills: Children are given the opportunity to practise many skills from sewing to sawing and then apply it to create their own unique product. Children learn how to be safe when using DT equipment.

- Designing: Children are given a Design Make Assignment which clearly outlines the purpose of what they are making and who it is for. Children are encouraged to think of their own success criteria, instructions and equipment lists with varying levels of support depending on the age of the children. Creativity is encouraged as children make their own unique designs for the products they are making.
- Evaluation: Children are reflective as they use the success criteria to decide the effectiveness of what they have made. They reflect on the process and what they changed and why. They decide what they did particularly well and how they can improve next time.