

Carr Mill Primary School

Design Technology Intent

Carr Mill Primary School understands that Design and Technology (DT) plays an essential role in contributing towards a broad and balanced curriculum. It helps children to foster and challenge their independent ideas through the inspiration of a variety of inventors and designers. The school has used the DT objectives and skills from the National Curriculum as a foundation to design its own curriculum map and progression map. This enables children to immerse themselves in the varied skills and vocabulary needed to explore DT skilfully and inspires children to think innovatively and to develop creative, procedural and technical understanding. Children learn skills under the three areas of form, texture and cooking/nutrition, and are given the opportunity to explore and evaluate different creative ideas within each of these. We believe it is vital that the children at Carr Mill Primary School gain a greater understanding of how DT influences their lives and the world around them by the time they reach the end of KS2 to become practical problem solvers and creative designers in their own right.

Design Technology Implementation

We have produced key documentation with a focus on progression of skills for each year group, which includes a bespoke curriculum map and a progression map. The curriculum is monitored by effectively observing, analysing and recording the impact of teaching and learning through learning walks, evidence monitoring, pupil voice and staff voice.

The teaching and learning of DT is done through a blocking over the year and is taught for a minimum of one week per term alternating with art. There are 3 units of DT taught in each cycle in each phase and this enables the children to easily revisit previously taught knowledge and skills, then progressively build upon them. DT is planned to ensure a progression of substantive and disciplinary knowledge and to support the subject knowledge of staff.

Teachers use the research, design, make and evaluate model when delivering DT lessons- through the use of the Tasc Wheel (Belle Wallace) that enables children to work systematically through each of the units- it also helps provide consistency and as a model for DT that the children will use throughout their time at Carr Mill- they will also encounter it in other curriculum areas. This ensures that the sequential DT learning opportunities as thoroughly as possible. Children use creative art books to record work in, project booklets and photographic evidence is also used to record work and outcomes which have been made by the children.

DT is assessed at the end of each taught unit by the class teacher using the progression of skills map. This enables teachers to see how children are progression with their learning of DT throughout the year

and between year groups which can be addressed accordingly. Key vocabulary is also used as an assessment tool to inform teachers of how well a DT unit of work has been taught and learnt.

Design Technology Impact

Through pupil voice interviews, the children at Carr Mill Primary School show that they have a clear enjoyment and confidence in DT that they can also apply to other areas of the curriculum. They are taught a high-quality DT curriculum to help them gain knowledge and skills for use appropriate tools and materials, which enable them to develop beyond school life in the wider world.