



Design and Technology

Intent Statement

At Busbridge Junior School, our intent is to provide a Design and Technology (D&T) curriculum that cultivates pupils' creativity, problem-solving skills, and technical competence. We aim to develop innovative thinkers who can design and make products while appreciating the importance of safety and sustainability. Our D&T curriculum also fosters an understanding of achievement, enjoyment and enrichment for all learners where children are encouraged to think critically about their design, including those of existing products. As they progress through each year group, children will develop their techniques and have the opportunity to apply these creatively.

Implementation

Our D&T curriculum is carefully designed to provide a broad and balanced range of experiences, enabling pupils to develop a strong foundation in design, craftsmanship, and technical skills. The curriculum has a carefully planned sequence of learning, retrieving and building on prior knowledge and skills and equipping pupils with the necessary tools to tackle more challenging projects as they progress through the school.

We recognise the importance of making meaningful connections between D&T and other subjects within the curriculum. Our D&T lessons often draw upon knowledge and skills acquired in mathematics, science, ICT, art, and English. For example, when designing and making a model bridge, pupils may need to apply mathematical principles to calculate dimensions, scientific concepts to understand forces and materials. These cross-curricular links enhance pupils' understanding and reinforce the relevance of D&T in everyday life.

In order to engage all pupils, our D&T curriculum caters to a wide range of learning styles and abilities. In order to help reduce cognitive load, we provide support materials in addition to differentiated tasks and resources to ensure that every pupil can access the curriculum and make meaningful progress.

Impact

In summary, our intent is to provide an outstanding D&T curriculum that is ambitious, coherent, and inclusive. By implementing this curriculum effectively, we ensure that our pupils achieve high standards, develop creative thinking skills, and thoroughly enjoy their D&T education.

By developing essential transferable skills such as critical thinking, teamwork, resilience, and adaptability, our D&T provision equips pupils with capabilities that extend beyond their time at Busbridge Junior School. By the end of KS2, children will have a broad knowledge and a variety of skills in a range of areas in design. They will develop ability to analyse and investigate how skills in other areas (science & maths) are applied to real-life and be curious to question the purpose and effectiveness of design.