



# Design and Technology

## Intent, Implementation and Impact statement

### Intent

At Weare Academy our Design and Technology (D&T) curriculum is designed to inspire creativity, critical thinking, and problem-solving in our pupils. Our intent is rooted in our school vision, which aims to enable all children, regardless of background, ability, or additional needs, to flourish and become the very best version of themselves.

We aim to:

- **Foster Creativity:** Encourage pupils to think imaginatively and innovatively when designing and making, thereby embracing our commitment to an enquiry-based learning approach.
- **Promote Practical Skills:** Provide a hands-on approach, ensuring all pupils can work with tools, materials, and processes to create functional and aesthetically pleasing products, catering to diverse needs and abilities.
- **Enhance Technical Knowledge:** Ensure that pupils understand the principles of nutrition, engineering, and design, providing them with the knowledge needed to make informed choices in designing, making, and evaluating products.
- **Encourage Sustainability:** Instil an understanding of the implications of design choices on the environment, promoting sustainable practices as a key part of our enquiry-based curriculum.
- **Build Confidence:** Create learning environments where pupils feel safe to experiment, take risks, and learn from failure, fostering personal growth and resilience.

### Implementation

Our Design and Technology curriculum is implemented through a carefully structured scheme of work that aligns with the National Curriculum, shaped by our inclusive school vision and tailored to the interests and needs of our pupils.

Key components of our implementation strategy include:

- **Cross-Curricular Links:** D&T is integrated into broader enquiry-based learning opportunities, linking with subjects such as Science, Geography, History and Art to reinforce concepts and skills while ensuring that every child has equal opportunities to succeed.
- **Sequential Learning:** Units are designed to build progressively on knowledge and skills, with a focus on ensuring all pupils, regardless of ability or background, can access and thrive in D&T experiences.
- **Collaborative Learning:** Encourage teamwork through group projects, allowing for the sharing of diverse perspectives and fostering communication skills in a supportive environment.

- **Hands-On Experiences:** We provide access to a variety of materials, tools, and technology, enabling all pupils to engage meaningfully and practically with D&T.
- **Assessment for Learning:** Ongoing assessments guide pupil progress and inform instruction, allowing for adaptations that meet individual needs and promote all children's growth.

## Impact

The impact of our Design and Technology curriculum is evident in the exceptional outcomes observed in our pupils. We measure this impact through various means:

- **Pupil Engagement and Enthusiasm:** High levels of enjoyment and enthusiasm are noted as pupils engage in D&T lessons, contributing to increased attendance and participation for all learners.
- **Skill Development:** Pupils demonstrate a strong understanding and practical application of D&T skills. Regular assessments indicate that pupils across various backgrounds and abilities are meeting and exceeding age-related expectations.
- **Creative Problem-Solving:** Students showcase innovation in their projects, often leading to original design solutions that highlight their critical thinking and application of knowledge.
- **Awareness of Sustainability:** Increased understanding of sustainable practices is evident in project choices, including the thoughtful selection of materials and design for life cycles.
- **Preparation for Future Learning:** Pupils leave school equipped with a solid foundation in design principles and technical skills that support their ongoing education.

In summary, at Weare Academy our Design and Technology curriculum is integral to our educational ethos, ensuring that all learners are empowered to be creative, innovative, and responsible individuals ready to tackle future challenges.