

D.T @ Greetland



At Greetland Academy, Design and Technology (D&T) is a vibrant and engaging subject that combines creativity with practical skills. Our curriculum encourages pupils to explore and apply their technical knowledge in the design and creation of products across a variety of contexts. By integrating learning from subjects such as Mathematics, Science, Computing, and Art, D&T helps pupils make meaningful connections between different areas of their education. We want pupils to develop the confidence to take risks, through drafting design concepts, modelling and testing and to be reflective learners who evaluate their work and the work of others.

Curriculum Structure:

- D&T is taught for three half-terms each year, alternating with Art & Design.
- The Greetland D.T curriculum is underpinned by the Kapow scheme of work.

The curriculum covers five key areas:

1. **Structures**
2. **Mechanisms**
3. **Textiles**
4. **Cooking and Nutrition**
5. **Electrical Systems** (taught only in Key Stage 2)

These areas are taught separately, but they build upon each other as pupils' progress through the curriculum, helping them develop a deeper understanding and mastery of key concepts by the end of Key Stage 2.

The D&T curriculum follows a structured approach, based on the '**Design, Make, Evaluate**' cycle:



1. **Design:**

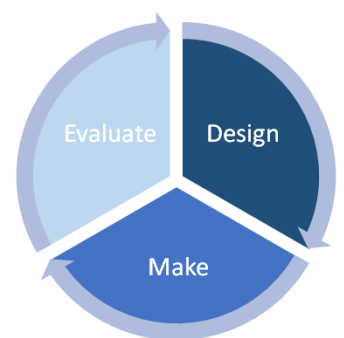
- Pupils begin by exploring and developing their ideas in response to a design brief.
- They plan and create prototypes, applying their growing knowledge of materials, function, and design principles.

2. **Make:**

- In this phase, pupils create their designs, making decisions about materials and construction.
- They refine their practical skills, including measuring, cutting, joining, and assembling.

3. **Evaluate:**

- After completing their projects, pupils evaluate their work, reflecting on what worked well and what could be improved.
- This process encourages critical thinking, and the application of lessons learned to future projects.



Our approach to Design and Technology at Greetland Academy encourages creativity, critical thinking, and technical proficiency, ensuring that pupils develop the skills they need to succeed both in school and beyond.