



ST. ANDREW'S D&T CURRICULUM

D&T CURRICULUM INTENT

The Design & Technology (D&T) Curriculum contributes to the St. Andrew's Core Values:

Compassion: By supporting each other in design choices and the production of their product.

Achieve: Through planning, producing and evaluating their finished product.

Respect: Showing care to the equipment and others around them.

Enjoy: Through every child having the opportunity to shine with practical activities and having pride with the end result.

Our curriculum for D&T at St. Andrew instils qualities such as curiosity, inquiry and determination and how to work both independently and collaboratively to gain an in-depth understanding of the creative and problem-solving process. The sense of achievement after creating a tangible product fills our pupils with pride and boosts self-esteem. It is our intention that our D&T Curriculum will provide opportunities to solve real and relevant problems, allowing our pupils to develop essential everyday skills and unlock their potential to be the designers and innovators of tomorrow. The D&T Curriculum encourages our children to learn, think and intervene creatively to solve problems both as an individual and as part of a team.

D&T CURRICULUM IMPLEMENTATION

CURRICULUM CONTENT & DELIVERY

In each year group the D&T units are often linked to other curriculum subject topics, closely tracking the National Curriculum objectives. Children will follow the 6 principles of D&T:

- USER – to have a clear idea of who they are designing/making the product for.
- PURPOSE – to be able to communicate the purpose of the product they are designing/making
- FUNCTIONALITY – to design a product that works and functions effectively to fulfil the user's needs
- DESIGN DECISIONS – to make own design opportunities, explore their own decisions and choices
- INNOVATION – opportunities to be original with their thinking, develop and explore their own ideas incorporating the essential skills involved in the process
- AUTHENTICITY – to make products that are believable, real, and meaningful to themselves and others, not just replicating ideas.

DT lessons are delivered to the equivalent of once a fortnight for 45 minutes.

EQUALITY FOR ALL

As part of the vision for St Andrew's, every child can experience a variety of different opportunities within the DT Curriculum: planning, designing and evaluating products. We ensure that children who are achieving well, as well as those who are in need of additional support, are identified, and additional provision and strategies are planned in which ensures all reach their full potential.

CURRICULUM ENRICHMENT

Where possible, curriculum links are made with topics to provide rich opportunities for a deeper understanding of both knowledge and skills. School trips and visits may also generate choices for DT topics. Resources available for the subject within school such as use of the canteen kitchen and equipment, work benches and a variety of tools to enable development of the DT skills. Other skills are developed such as: Literacy skills: speaking and listening. Maths skills: measuring, shape and accuracy and other skills such as IT where appropriate for the design process and also partnered or team working.

ART CURRICULUM IMPACT

Units of work are regularly monitored to ensure that the appropriate skills and knowledge are being demonstrated. Skills will be assessed both formatively: during DT lessons through observations and discussions with the child and summatively: through self-evaluation of the product and against the level descriptors for the subject.

After summative assessment, level descriptors are used to make a judgement on a child's ability and skills.