

**WHAT ARE THE BIG AIMS OF YEAR 7 D&T?**

- For pupils to understand that D&T activity is driven by the needs wants and values of people
- For pupils to appreciate that what we do in D&T has an impact on people and the environment and this can be positive and negative
- Pupils can generate and communicate non stereotypical designs
- Pupils understand that materials possess properties that determine their suitability or otherwise for an application
- Pupils are able to select and use a range of appropriate tools and equipment
- To foster pupils critical skills of their own work and that of professional designers and organisations

**WHAT WILL EXCELLENCE LOOK LIKE IN YEAR 7?**

- Pupils are able to analyse a given scenario and identify what problems/opportunities may arise
- They are able to formulate a design brief and specification that can serve as a framework for designing
- Design ideas are evaluated against the specification and user needs
- Prototypes are made using appropriate tools and processes
- Prototypes are objectively tested and evaluated against the specification, user comments are considered and suggestions for improvements are made

**WHAT KNOWLEDGE DO THE PUPILS NEED TO ACQUIRE?**

- Material properties and classification
- Safe working practices for all D&T areas
- Calculating area and cost of materials
- Names and uses of tools and equipment

**WHAT SKILLS DO THE PUPILS NEED TO DEVELOP?**

- Identifying and clearly defining problems
- Writing design briefs and justified specifications
- Generating and annotating ideas
- Evaluating ideas using criteria
- Selecting and safely using a range of specialist tools and equipment
- Testing and evaluating prototypes

**WHAT MISCONCEPTIONS MAY THEY HAVE FROM PREVIOUS LEARNING?**

D&T is mainly concerned with making. Designing is the same as drawing.

**WHAT ASSESSMENTS WILL BE USED ACROSS THE YEAR TO DEMONSTRATE HOW THE PUPILS HAVE ACQUIRED THE KNOWLEDGE AND DEVELOPED THE SKILLS?**

Technology operates a rotation carousel system with students spending approximately nine weeks on each specialism of Textiles, Resistant Materials and CAD/Electronics. At the end of each rotation students are assessed on three key strands where appropriate – completed practical piece which is subject to continual assessment, design skills displayed in workbook/worksheets where appropriate and theoretical knowledge through an end of rotation MCQ