



## Curriculum Intent

*At KS4 D&T aims to develop mindful confident students who have excellent practical skills, technical knowledge and are equipped to succeed in the next step of their educational path.*

- **What am I studying this year and how and when will I be assessed?**

Project	Knowledge & Skills	Assessment	Homework
Presentation Skills – Focus on drawing skills	Oblique, isometric, orthographic, tone and shading, perspective and nets	Focus practical tasks	Homework is set at key points through each project to further develop understanding. Students are also expected to be revising theory topics each week after a new topic has been covered.
CAD Skills	2D Design and SketchUp	Focus practical tasks	
Key Skills – Keyfob, Sublimation Mug & Decorative Box	CAD/CAM and CNC, Workshop Manufacturing skills	Practical project work	
NEA Practise – Desk Organiser	3D Sketch Up simulated modelling, Product Analysis, Manufacture	Project work and final practical	
Theory	One lesson per fortnight to cover exam theory		
Paper and Boards, Timbers, Metals, Modern and Smart Materials, Composite Materials, Performance Characteristics, Scales of Production, Forming Plastics, Polymers tools and equipment, Textiles & Technical Textiles			

- Key drawing and graphics skills are taught at the start of the year to enable students to present their design work throughout each project. Projects draw on key NEA skills to enable students to work independently when completing coursework in Year 11. Assessment is used at the end of projects and for key skills.
- Half termly tests are used to build exam theory knowledge and exam techniques.

## Marking for Literacy

(Longer answers and written work will be marked for at least one of the below, your teachers will tell you which)

Sp – Spelling mistake of key term

// - Needed new paragraph

C – Capital letter missing

P – Punctuation needed

Expr - Expression

**Subject Specific Literacy:** isometric, ergonomics, anthropometrics, modelling, mitre joint, presentation, scale, acrylic, bobbin,

## Students will demonstrate pride in their work by:

- Presenting information clearly and neatly to aid learning
- Using a title and date for all work including homework
- Underlining all dates and titles using a ruler
- Writing in blue or black pen
- Completing drawings and diagrams in pencil
- Glue in sheets flat and in order
- Annotating work and making corrections in coloured pens
- Crossing out mistakes neatly with a line
- Highlighting key words and concepts