



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 and when and how will I be assessed?**

Project	Knowledge & Skills	Assessment	Homework
Contextual challenge – NEA	You must undertake a project in response to one of the exam board published contextual challenges, considering the needs and wants of the user. You must apply the iterative design process to develop and modify designs, and to design and make a prototype.	External Coursework Assessment (50% of GCSE) – May/June	Homework is set at key points through the project to further develop understanding and aid in the completion of coursework sections. Students are also expected to be revising theory topics each week after a new topic has been covered.

Theory External Exam (50% of GCSE) – May/June

Motion & Levers, Linkages & Cams, Cranks & Gears, Impact of Technology, Electronic Systems, Energy & Power Systems, Polymer types & selection, Forces & Stresses, Surface treatments, Emerging technologies, Environmental & Social influences, Designers & Companies, Design Strategies

- Students work throughout the year on coursework (50%); designing, testing, modelling, developing and making their project in response to the contextual challenge chosen. This is submitted at the end of March.
- Theory (50%) is taught fortnightly to build knowledge and understanding for their exam in June.

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