



Edgbarrow School
Year 12
Product Design



Curriculum Intent

At KS5 D&T aims to further develop confident students who have excellent practical skills, technical knowledge and are equipped to succeed in the next step of their educational path or pursue a career in one of the many fields of Design or Engineering.

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

| Project | Knowledge & Skills | Assessment | Homework |
|----------------|---|----------------------------------|--|
| Coaster | Presentation and graphics skills, CAD & CAM, iterative modelling and testing | Project work and final practical | Weekly revision out of class of topic areas covered in lessons is expected to be completed independently in preparation for weekly revision sessions that are held in class. Design work will also need to be continued outside the lessons to meet regular deadlines set throughout the year. |
| Desk Organiser | Workshop skills, materials knowledge, SketchUp skills | Project work and final practical | |
| Pizza Cutter | Research and product analysis, design and sketching, modelling and prototyping | Project work and final practical | |
| Theory | Materials, Performance characteristics, heat treatment, alloying, printing, casting, machining, laminating, marking out, adhesives, mechanical joining, heat joining, timber joining, finishes, form and function, design movements | Testing and Mocks | |

All projects are taught throughout the year.

Final assessments are made at the end of each project.

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