

## National 4/5 Design and Manufacture

- During S1 - S3 pupils worked through a Broad General Education encompassing Graphic Communication, Design and Manufacture and Practical Woodwork topics through level 3 and 4 CfE outcomes. During S4 two units in Design and Manufacture at Nat 4/5 are completed:
- **Design.**
- **Materials and Manufacture.**

### **Design.**

Learners develop a variety of skills in communication through the production of design folios, evaluation and reporting.

### **Materials and Manufacture**

Learners will manufacture products, models and prototypes, applying a range of practical skills whilst studying the properties and uses of materials.

Each unit is assessed individually and marked internally (and can be externally verified).

- At National 4 – all units + an added value unit (internally assessed) = course award
- At National 5 – all units + internally marked assignment + externally marked final exam = course grade
  - o **We will not put a pupil forward for the final exam at National 5 without being confident we have the evidence required to support an award at National 5.**

### **The added value/assignment**

- The assignment that has been selected has been matched to the National 4 added value to ensure all pupils can complete the course without having to do 2 assessments.
- Some class time will be given to this in February. Pupils going forward to National 5 will have this filed for uplift. A copy will also be held (in case required) for National 4 evidence for added value.

### **The prelim**

- The prelim is pitched at National 5, so pupils where there is already a definite decision to complete at National 4 will not be expected to do the prelim. It will form an important piece of evidence for final decisions on presentations, as well as give an essential opportunity to revise and deal with issues in content. Most of the revision will need to be done outside of class time.
- It will be a 1hr 30min prelim, 60 marks.
- It will cover the 2 full units content. (Design, Materials and Manufacture as well as problem solving).

### **Resources**

- In school, in addition to normal class time, after school study is running on Monday 3.30-4.30pm and every lunch time 12.35-1.15pm. **To gain an award in Design and Manufacture, study out with the classroom is required. At least 2 hours a week of study is recommended to ensure the standard required is met. Homework is an integral part of the course allowing both the pupil and teacher to assess if progress is being made. Formal homework will be given once a week and will take a variety of forms.**

