



Design & Manufacture

HIGHER



Learning is split into 2 sections or units.

- Design
 - Use a design process from brief to resolved design proposals, including developing a specification.
 - Develop skills in initiating, developing, articulating and communicating design proposals.
 - Develop an appreciation of the design/make/test process and the importance of evaluating and resolving design proposals on an on-going basis.
 - It also allows you to develop an appreciation of design concepts and the various factors that influence the design of products.
- Materials & Manufacture
 - This Unit covers the product design process from design proposals to prototype or product.
 - Develop practical model and prototyping skills that are invaluable in the design/make/test process.
 - Gain an appreciation of the properties and uses of materials as well as a range of manufacturing processes and techniques used in commercial manufacture.
 - Additionally it allows you to evaluate, refine and resolve design and manufacturing solutions.

Course Outline



- Homework tasks will be issued weekly for design theory lessons, normally including a sketching/design task.
- Details shared on SMHW though students are encouraged to photograph task from board and set own reminders.
- Completed in jotter and submitted for feedback.
- Course text book issued to support this.
- Additional homework may be given throughout year to complete design tasks set in class.

Homework



Final Assessment is also split into 2 sections.

- Design Assignment (Internally marked)
- Marked out of 70
- 8 page Design Assignment from a given brief.
- Submitted before Easter Break.
- Question Paper (Externally marked)
- Marked out of 70
- Prelim exam in January (provides estimate of potential grade)
- Final exam in May

Course Assessment



- Additional support materials can be found in the following locations:
- Glow group
- SQA subject website
- Various CDT websites
 - technologystudent.com
 - jambledandt.com
 - BBC Bitesize Higher D&M
 - ergonomics4schools.com
- Leckie & Leckie website using QR codes in book.
- NPF nutshell revision page

Support materials



- The CDT Department has open door policy, with all staff willing to support.
- Specific times for support are Tuesday Lunchtimes...
- Remember 'Free periods' are really study periods and staff may also be able to help then.

Additional Teacher Support

