Carleton Community High School

A Specialist Science with Mathematics School

AQA GCSE Design & Technology Product Design

Design and technology is everywhere and engrained in everything we do. It is a practical subject area which requires the application of knowledge and understanding when developing ideas, planning, manufacturing products and evaluating them. The distinction between Designing and Making is a convenient one to make, but in practice the two often merge. For example, research can involve not only investigating printed matter and people's opinions, but also investigating proportions, adhesives, colour, structures and materials through practical experimentation.

Year 11

Throughout year 11 candidates should work rigorously on their controlled assessments and also study for their mock and final examination.

All students are expected to attend the compulsory plus 1 intervention sessions after school and still complete work at home.

Assessment, Controlled Assessment and Grading

- One GCSE graded A* - G
- Controlled Assessment = 60% of final grade
- 2 hour Summer Examination = 40% of final grade
- Up to 20 A3 quality sheets will achieve grades A*-C
- Time management is key, candidates must be organised and not leave work till the last minute
- Preparation for examination is rigorous not only in lessons but also after school and in plus one sessions leading up to the examination

Key Dates:

- *October half term deadline* – high quality model/mock-up made and photographed ready to print for folder
- *Nov/Dec Mock examination*
- *Christmas full term deadline* – all folder sections finished, minus final evaluation.
- *February half term deadline* – product made
- *Easter full term deadline* – final evaluation, complete folder and complete product handed in to Mr Williams
- *Thereafter examination preparation*
- *May half term* – revision/examination preparation
- *June 2016*– summer examination

What can be done at home?

- Online revision – list of key websites below and given to students
- *www.technologystudent.com*
- *www.mr-d-n-t.co.uk*
- *www.bbc.co.uk/schools/gcsebitesize*
- *www.aqa.org.uk/subjects/design-and-technology/gcse/design-and-technology-graphic-products-4550*

(This is where you will find past papers and their corresponding mark schemes.)

- *www.dtonline.org*
- *http://ergonomics4schools.com*
- *www.howstuffworks.com*
- *www.instructables.com*
- *www.design-technology.info*
- Folder can go home to work on design idea and development sheets
- Past papers to practice at home
- Encouragement to revise or to complete pages in design folder
- Students will need some basic specific equipment in order to produce good design and development sheets i.e. good colouring pencils/felts/markers, drawing/sketching pencils, 30cm ruler, compass, rubber, and a good sharpener.