

SUBJECT GCSE Design & Technology	YEAR 10 & 11
HEAD OF DEPARTMENT Mrs A Brogan	
GROUPING POLICY Mixed ability in option blocks	
EXAM BOARD AQA	
ASSESSMENT: 50% Non-Exam Assessment (NEA); 50% External Exam	
Link to Specification: http://www.aqa.org.uk/subjects/design-and-technology/gcse/design-and-technology-8552	
COURSE CONTENT <u>What will my child learn?</u> Core technical principles <ul style="list-style-type: none"> • new and emerging technologies • energy generation and storage • developments in new materials • systems approach to designing • mechanical devices • materials and their working properties. Specialist technical principles In relation to plastics, wood and metals; <ul style="list-style-type: none"> • selection of materials or components • forces and stresses • ecological and social footprint • sources and origins • using and working with materials • stock forms, types and sizes • scales of production • specialist techniques and processes • surface treatments and finishes 	
What will homework look like? Various tasks set totalling approximately two hours per fortnight. These will include exam style questions, consolidation of work from class, the review of marked work.	
What enrichment opportunities are available? <ul style="list-style-type: none"> • Renishaw Teardown trip • Deep Learning Day activities 	

- Independent research

ASSESSMENT

How will my child's work be assessed?

Students' classwork and homework will be systematically assessed throughout the course. This will include termly tests over two years (internally assessed). These will be used to monitor and support progress and identify areas for students to develop.

Externally Assessed examination:

This is a 2 hour exam totalling 100 marks.

- Core technical principles
- Specialist technical principles
- Designing and making principles

Non-Exam Assessment:

This is a substantial making task which requires the application of the principles in the Exam. This unit is completed over approximately 35 hours. Students will be required to submit a practical piece and a portfolio of evidence.

ADDITIONAL INFORMATION

How can I support my child in this subject?

- Discussion of topics being covered
- Trips to relevant museums.
- Access to ICT for independent research
- Check that homework is being completed

How can I support my child with exams?

- Revision techniques and timetabling
- Encourage attendance at revision sessions after school
- Encourage use of the electronic resources offered such as GCSEpod