

Key Stage 4 Curriculum Overview 2021 – 2022

AQA 8552 Design and Technology.

A Broad skills-based D&T course encompassing all areas of Design & Technology including Electronics, Mechanisms, Resistant Materials and Textiles. Allows students to develop design solutions using materials and processes that are most appropriate to the challenge in hand. At the same time, it is possible for students to pursue the development of specialist knowledge as appropriate.

Year Group	Topics – Term 1	Key assessments	Topics – Term 2	Key assessments	Topics – Term 3	Key assessments
10	Practical skills workshop. Metal key fob. Lap joint/finger joint/dowel joint. Poppy challenge/Sculpture park. 6 R's. Phone holder – mixed materials.	Assessments are set each half term on new and previous knowledge taught.	Mini NEA Research and Design Brief. Design ideas and developments Development of prototype and initial testing. Evaluation.	Assessments are set each half term on new and previous knowledge taught.	Non-exam assessment (NEA) - 50% based on 30–35 hours approx. Students will produce a prototype and a portfolio of evidence. This will be a substantial design and make task. Launch of NEA Folder organisation. Section A planned and populated	Assessments are set each half term on new and previous knowledge taught.

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Section B/C

Customer profile.
Design Brief.
Design Specification.

Wk3- Design EXAM

Review and re-
working of design
ideas.
CAD.
Modelling and
investigation.

Section D

Selection of key idea
to develop.
Investigate possible
materials and making
methods.
3 developments of
key product idea.

**Mock exam
preparation – full 2 hr
past paper.**

Assessments are set
each half term on
new and previous
knowledge taught.

Design Exam.

Mock Exam.

Section D/E

Development of
prototype (Intent)
Realisation of making
intent – Making day
(Week 2).

Section E/F

Testing and
Evaluation of
prototype idea.

Parents Evening

Section F

Final testing and
evaluation.

Project submission.

NEA:

Work will be marked
by teachers and
moderated by the
exam board.

**AQA Exam
preparation.**

Written exam -50%
2hrs (summer of Yr
11)

**Section A – Core
technical principles
(20 marks) - A**

mixture of multiple
choice and short
answer questions,
assessing a breadth of
technical knowledge
and understanding.

**Section B – Specialist
technical principles
(30 marks) - Several**

short answer
questions (2–5 marks)
and one extended
response to assess a
more in depth
knowledge of
technical principles.

**Section C – Designing
and making principles
(50 marks) - A**

mixture of short
answer and extended
response questions.