



SWANMORE

GCSE Product Design

How is my child assessed?

50%
Course
work

50%
Exam

- Pupils will complete one piece of coursework (NEA) and one examination.
- The NEA is released in June of year 10 and pupils will start their projects at this point.
- Pupils have one opportunity to complete coursework tasks, as the task content changes each year.

Exam and Skills:

Pupils will be taught through the delivery of core theory lessons and through mock NEA projects. The projects allow students to develop a range of practical skills as well as subject knowledge for their exam. There is also lessons that cover the core theory sections in which students can create different revision resources to support the first half of their exam.

We encourage pupils to start making revision resources from the start of the course for each mock examination, with time in the lead up to the exam spent revisiting previously learnt topics and developing revision techniques. As the pupils progress through the course and the content builds, this will give pupils and opportunity to interleave their revision with their new learning and build their memory recall of key pieces of information.

Pupils sit one exam in GCSE Product Design. The paper is 1 hour 45 mins long and makes up 100 marks of the final grade that pupils are awarded in the summer of year 11. The examination is split into two sections: section A Core and Section B Timbers. There are a range of questions including a 9 mark essay style question, Maths based questions and a some design/tool based questions.

Course Work:

The coursework (NEA Non-Examined Assessment) is a single piece of project work that is set by the examination board. The theme that is set, is different each year, with previous themes including Supporting People with Neurodiversity, Creating a Product to Help a Teenager Study From Home and Theme Parks.

This work starts in June of Year 10, when the examination board release the three themes for the year. The pupils will then choose one theme and will then start by researching the potential problems surrounding this theme. They will then complete further primary and secondary research before designing, developing and manufacturing a prototype and evaluating it's success. The product that pupils make must innovative and made to a high quality and be functional.

The NEA then lasts until April of year 11, with time taken out for mock exam preparation during the assessment periods. Throughout this time pupils are guided through the process, but must work independently to product their solution. There is exemplar work, a PowerPoint guide, along with teacher support to ensure that they achieve in this area. There are also drop in workshop sessions after college, for those pupils who need to access further support or make use of the workshop.



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Revision Resources

All pupils have access to Google Classroom. This is where they can get access to useful revision resources, like a 'Revision Question a Day Calendar' in the run up to mocks, as well as guided tasks and resources from previous lessons. There is also a revision checklist that guides students to which areas will need revising specific to the mock and what resources to use for revision.

Pupils will be given a core theory booklet at the start of the year, which includes guided questions and tasks to support their learning and create a revision resource for the first 50% of their exam. This will allow them to interleave their revision with their new learning and build their memory recall of key pieces of information.

Pupils will also be supported to make revision resources including mind maps, knowledge organisers, flashcards and quizzes, as well as guidance on exam technique and how to successfully write a 6 mark and 9 mark answer.

Current specification text books and revision guides:

- Class textbook: Edexcel GCSE (9-1) Design and Technology

Other useful resources

Whilst there is no specific revision website for GCSE Product Design, the following are useful websites, when used with the Personalised Learning Checklists.

- www.technologystudent.com
- BBC BiteSize – Edexcel Design Technology [GCSE Design and Technology - Edexcel - BBC Bitesize](#)

Software:

- Sketchup for schools – accessed through school Gmail account
- 2D Design
- Makercase

Exam Board

Exam Board: Edexcel
GCSE Title: Product Design

The exam board website, contains further information about the course, as well as past papers and past NEA topics.

Scan the QR code to view the examination board website.

