



Subject	Year	Specialism
Design and Technology	Y10	Product Design

## Project

Mock NEA Project

## Content (Intent)

### Prior Learning: 3 terms of AQA GCSE Design and Technology content

During these two terms the Y10s will complete a trial GCSE exam and a mock NEA. This fully prepares them for the expectation of Y11 and gives us a clear indication of where we can support them to help develop and strengthen them further. Both the exam and NEA trials will be a condensed and focused version of the full GCSE expectations.

### Future Learning: AQA Design and Technology official NEA

How will knowledge and skills be taught (Implementation)	How will your understanding be assessed & recorded (Impact)
<p><b>Mock NEA</b> Pupils will be given a list of past AQA contexts and will have to choose one to focus on for their mock NEA. They will be shown example projects and assessment criteria to help them complete their projects. Pupils will then drive their own projects encouraging individual learning and progress. During these two terms pupils will create: A mind map of idea Analysis of existing products Design brief and Specification Design Ideas A prototype An evaluation</p> <p><b>Trial Exam</b> Topics in the trial exam will cover these areas: New and Emerging Technologies Energy, Materials and Systems Materials and Their Working Properties Technical principles Selected Material Designing Principles Making Principles</p> <p>In the weeks running up to the trial exam students will be given revision lists and resources bespoke to their exam. All skills and work for the NEA and trial exam will be taught and developed through teacher led lessons, demonstrations, creating bespoke resources for lessons and tasks, homework, practice questions and past papers.</p>	<p><b>Assessment</b> Pupils work will be assessed in a variety of ways</p> <ul style="list-style-type: none"> <li>- Teacher assessment</li> <li>- Written and verbal feedback will be given</li> <li>- Practical work – verbal feedback given</li> <li>- Homework will be assessed in line with dept policy</li> <li>- A condensed version of an NEA project in trial for the official NEA in June</li> <li>- Exam questions will be used frequently, marked and graded in line with the AQA assessment criteria.</li> </ul> <p><b>Main areas of assessment:</b> Exercise books/ Classwork Practical samples of technical skills Homework Mock NEA</p>

## How can parents help at home?

Students will be given homework tasks on a weekly basis, It would be great if you could remind your child to check the VLE for tasks and keep up to date on homework's. Allowing time to be spent on the completion of the mock NEA task, going through resources on the VLE and R drive which have been set out to support the students in completing their work. Encouraging your child to revise GCSE topics in readiness for the trial exams.

## Helpful further reading/discussion (including Reading and Vocabulary Lists)

<p><b>Websites and reading</b> <a href="http://www.technologystudent.com">www.technologystudent.com</a> <b>VLE D&amp;T GCSE PD page</b> <b>CGP - GCSE AQA Design &amp; Technology</b></p>	<p><b>Vocabulary</b> Context, investigation, product analysis, iterative design, mixed media, context, design brief, specification, measurable, justification, technical process, quality control, analysis and evaluation.</p>	<p><b>Careers Links</b> Product Design Engineering Architecture Graphic Design Branding and marketing Project Management Eco-design</p>
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