

# DESIGN TECHNOLOGY

## KS4 (Design Technology)

### Curriculum Purpose

In year 10 students will bridge the gap between the skills learnt at KS3 and skills required to excel in GCSE coursework. We will complete a range of projects and processes that set you up for the controlled assessment and increase your confidence with a range of designing and manufacturing skills. You will complete the following projects in year 10.

YR10



### Curriculum Topics

- **Pewter casting**  
Learn about metals and how we can use a casting process to design and make a metal keyring using CAD/CAM and refining a range of design and finishing skills.
- **Bluetooth Speaker**  
You will practise a lot of the tasks required for your controlled assessment in this extended project as well as manufacturing a working bluetooth speaker of your own design.
- **Sustainability**  
You will complete a project based on the 6 rs of sustainability and make a new product that fits with at least one of the 6 rs.
- **Non Exam Assessment**  
In the summer term 2 you will commence your planning for controlled assessment coursework which is worth 50% of your GCSE grade.
- **Course Content and Skill Development**  
(A summary of the course - this can be lifted from the spec) - units - AOs would also be useful if possible.



### Specification Link

<https://www.eduqas.co.uk/media/25tlhbw/gcse-design-and-technology-specification.pdf>

## When and how assessment of learning will happen



Assessment will be ongoing throughout the project. Students will receive verbal feedback as they progress through tasks and overcome problems and challenges within their learning. They will be encouraged to reflect on success and problems that they themselves and others around them have encountered. They will also have the opportunity to self and peer assess using guidance sheets tailored to each project. They will be able to reflect and plan improvements. There will often be dedicated improvement and reflection time (DIRT) Planned into lesson sequences to action their improvements. At the end of each project, they will receive a summative comment in relation to their work and outcome and mark given against GCSE mark criteria of 0-9 grades.

## The final exams/assessment

Will happen mostly in year 11. For DT students their NEA assessment will commence in the summer term 2 of year 10 and continue until the end of spring term of their year 11. For Food students both their NEA 1 and NEA 2 will be completed in year 11.



## Useful Information

- <https://www.bbc.co.uk/bitesize/examspecs/z4nfwty>
- <https://www.technologystudent.com/>

## Home Learning Expectations

Students should keep up with their classwork by completing planning and project work relevant to their lessons in school. If any lessons are missed they should catch up and complete the work so they don't have any gaps in their learning.

