



## WHAT WILL YOU STUDY?

### DO?

In Year 9 students will develop their understanding of the design processes required to successfully execute it to conclusion. Students will develop problem solving skills through investigation and experimentation. Students are given a design brief, work through the design process to design and make a phone holder/ organiser with their own design style inspired decoration. Students learn some key prototyping techniques and consider the importance of quality control.

## Summary

Exploring ideas, selecting and experimenting with appropriate media, materials, techniques and processes. Recording ideas through drawing and modelling. Presenting your final ideas in a 3-Dimensional form. Using model making, constructing, surface treatment and assembling. Understand the responsibility placed upon designers and the impact of design on society.

## Key vocabulary

Annotation, Analysis, Evaluation, Prototyping, Form, Aesthetics, Function, Surface finishes, Joining.

## Assessment and homework

Students will be assessed in 4 areas: Generating, Making, Knowledge and Evaluation. Homework is set once a fortnight and students will have 2 weeks to complete it.

 Pearson | Edexcel



## Key knowledge

- **Health & Safety** in the workshop
- **Develop:** Students are introduced to the work of major design movements and explore inspiration for their own work. They consider how social and moral issues that surround their chosen style. Students will analyse a designer's work and comment on how the work influences their own ideas.
- **Refine:** A range of designs and samples will be created through drawing and prototyping. Students practice model making techniques. They produce a final idea for a phone holder/ organiser through reviews and evaluations.
- **Record:** Students will reflect and evaluate their design journey to demonstrate their thought processes and development to final outcome.
- **Present:** Students create a well crafted, personal final outcome.

## Skills and National Curriculum Links

Use specialist tools, techniques, processes, equipment and machinery.

- CAD
- Engraving tools such as Dremel
- Laser cutter
- Band saw
- Fret saw
- Chisel
- Hand saws



Suggested reading: BBC Bitesize - Art & Design - Edexcel

<https://www.bbc.co.uk/bitesize/examspecs/z8nq6rd>

## Challenge and Support

Students will be supplied with differentiated worksheets where appropriate. Students will have demonstrations for all practical tasks, together with teacher and support staff assistance. Where necessary the project will be changed and adapted to student's individual needs.

Higher ability students will be taught use of additional tools and equipment to create more complex finishing techniques.