



3D Design Learning Journey

THE RAMSEY ACADEMY HALSTEAD

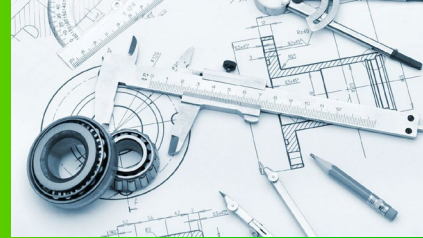
Technical Drawing

Component 1

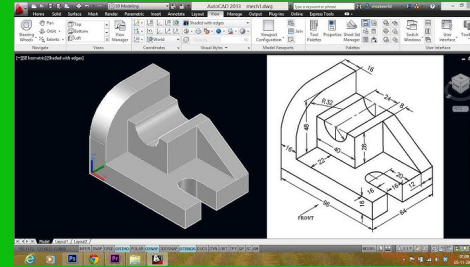
Y10



Students are introduced to the Edexcel course. They start by learning how to read and create different types of technical drawing. Orthographic, Isometric, Perspective.



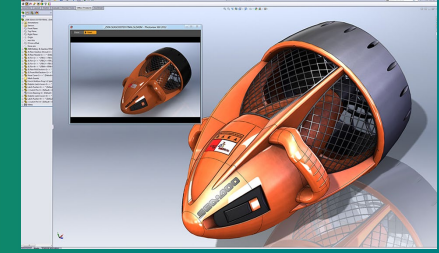
What does success mean to you?



CAD

Component 1

Students are taught how to use computer aided design and produce their own technical drawing of a phone holder which is laser cut from acrylic and line bent into shape



Learning how to design accurately.

Presenting work professionally.

Lamp Project

Component 1

Students start setting up their portfolios and developing designs for their component 1 projects which is 60% of their overall grade. They research potential influences for their designs and explore how to manufacture.



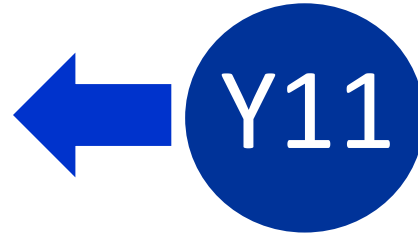
Learning how make things and the most appropriate way to do it.

Manufacturing Techniques

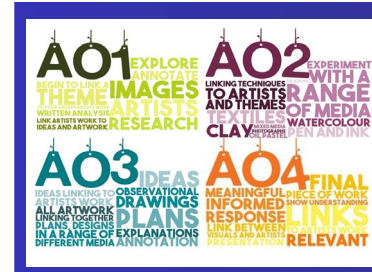
Component 1



As part of ongoing upskilling students learn new manufacturing techniques such as vacuum forming with high impact polystyrene, casting with pewter and line bending with acrylic.



Y11



Lamp Project

Component 1

What is the function of your product and what will it look like?

The key to success is in the planning.

'Externally Set Assignment'

Component 2

Be creative and imaginative!

Students use different materials and techniques to develop and refine their designs recording the evidence in their portfolios. They then select the appropriate materials and manufacturing techniques to make their products, photograph and Evaluate



In January of Y11 Edexcel release the theme and exam paper for the Externally Set Assignment (ESA) students begin preparations for their 10 hour timed test.

