

Top-Level Overview for Key Stage 4 Curriculum: 3D Design

1. Endpoint for the end of Key Stage 4:

- Students will have the opportunity to recap skills already learnt at Key Stage 3 and develop new skills and techniques that will enable them to successfully approach the portfolio and exam unit independently
- Students will begin the coursework portfolio in Year 10 by designing and prototyping a product of their choosing. Students will have until January of Year 11 to complete the full manufacture and subsequent completion of the portfolio. The externally set task will immediately follow the completion of the portfolio when the live starting points are released by OCR in January of Year 11.

2. Topic Overview

Year Group	Autumn Term	Spring Term	Summer Term
	Topics:	Topics:	Topics:
10	1. Key Stage 3 recap and enhancement of skills project 2. Designer focused drawing and CAD project 3. Prototyping and Modelling	1. Mini make project Introduction of component 1, personal investigation project: project research and initial ideas	1. Personal Investigation: development of designs, prototyping and modelling, final design.
11	1. Making and manufacturing of product Portfolio completion	1. Introduction to externally set task 2. Produce a portfolio of work inspired by a set theme 3. Personal response	