

Subject - KS4

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 10	Architecture project. Students create a digital portfolio on Google Classroom. Students can research and design a house based on modern architecture using Sketch up. Students learn how to make 2 wood joints.	Box Project Students research the theme Art deco. They produce a lid design based on the theme of Art deco, which will be cut out using the laser cutter. Students design a box using skills they have learnt	Light Project Students conduct designer research. They design a light based on their designer's research. They model the light using card modelling.	Light Project Continued... The Students experiment with different materials and further develop their light design. They then make a working prototype of their final light design.	Component 1 Students start their main project for Component 1. This involves Producing a Mind Map and a design brief. They also research different artists and designers. They also produce a range of ideas based on their research.	Component 1 continued... Students begin modelling their ideas out of cards. They then experiment with different materials. To further develop their design ideas.
Year 11	Component 1 continued..... Students continue with developing their design ideas, this consists of technical drawing and 3d modelling using Sketch up. The students then begin making the final prototype.	Component 1 continued... Students complete the final prototype and complete a diary of manufacture. This documents the making process of the prototype. The Students then complete an evaluation.	Component 2 Students are given a set of design briefs, of which they choose one. Students create a new design portfolio. They then write a design and produce a mind map and conduct designer research .	Component 2 Students produce a range of design ideas based on their theme and research. They then model they design ideas on card and experiment with different materials and processes. The students also prepare their	Component 2 The students then have 10 hour, in which they have to complete a final working prototype.	Official Examinations

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