



Year 8 Product Design Course outline

Students have 2 lesson per cycle/fortnight Homework is set every cycle			
Term	Topic and approximate duration	Key learning areas	Homework Options Students will be guided by the class teacher as to which level to complete (according to target level)
Autumn/Spring/Summer Term (on rotation)	Clock Design process (6 weeks)	Students should be able to: understand how to design for others through a given brief and specification; understand the practice of making a clock in industry and in school; understand the influence of different design styles and take inspiration from one of the following Designers - : Alessi, Heatherwick Studio, Raymond Loewy, Zaha Hadid to successfully design a clock; use of labels and notes to help describe your ideas and make judgements on designs; use coloured pencils to create 3D effects to show shape, light and dark surfaces: produce a final design, with measurements;	Task 1. Design styles: Alessi, Heatherwick Studio, Raymond Loewy, Zaha Hadid. Task 2. Initial ideas with annotation (worksheet). Task 3. Prepare for Landmark Assessment (topics worksheet and mind maps assessed in class).
	Nature of landmark assessment	Topic Test knowledge and design skills.	
	Clock Practical skills (6 weeks)	Students will develop knowledge of health and safety requirements and how to use a range of hand tools and machinery safely; understand how to manufacture an accurate clock using templates and thermoplastics, appropriate adhesives vacuum forming techniques; produce a workshop diary recording the manufacture that has taken place using correct terminology; assess the strengths and weaknesses of the final practical; construct clear and concise test and evaluation of outcome using observations & balanced/evidenced based opinions.	Task 1. Technology assessed homework (a. Key terms, b. health and safety, c. manufacturing techniques). Task 2. Tools and equipment (worksheet). Task 3. Prepare for Landmark Assessment (topics worksheet and mind maps assessed in class).
	Nature of landmark assessment	Outcome and Topic Test on Practical skills	