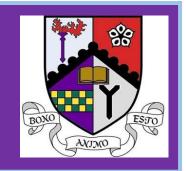
Grange Academy Senior Phase Assessment Overview 2024-25

HIGHER DESIGN AND MANUFACTURE



Week/Month	Learning Focus	Homework	Assessment	Coursework
				Submitted to SQA
May				
June		Weekly homeworks covering		
		the following:		
	Skill Builder Tasks –	1. Continuation of		
	 Design Factors / Graphic Techniques 	Incomplete Classwork &		
	 Problem Situation / Analysing a Brief / 	Study/Practice of Weak		
	Specification	Areas		
		2. Advanced reading for		
	Generating Idea / Practical Modelling Skills	topics		
		3. Exam Style Modelling		
		Questions		
August	Materials and Manufacturing Unit	Weekly homeworks covering		
	Outcomes 1 & 2:	the following:		
	 Analyse the production of a 	1. Material Properties &		
	commercial product	Uses		
	 Plan the production of a commercial 	2. Commercial		
	product	Manufacturing Processes		
		3. Assembly Methods		
		4. Modelling Techniques		

September October	Outcome 1 will be achieved by completion of a series of research/knowledge based tasks on given commercial products. Outcome 2 will be achieved by completion of a predetermined modelling tasks (Garmin Task) and written responses based on knowledge. Unit will run in parallel with delivery of knowledge content.		Unit Assessment – Design and Model of a Garmin Satellite Navigational Product	
October	Design Unit Outcomes 1 & 2: Pupils learn the various stages of the Design Process to complete a Practice Design Folio Outcome 1 • Analyse a design brief and produce a detailed specification	Weekly homeworks covering the following: 1. The Design Team 2. Beginning the Design Process 3. Design Factors 4. Specifications 5. Idea Generation		
November	Develop and communicate a proposal to meet a design specification Unit will be delivered with a project such as the "Animal Feeder." Unit will run in parallel with delivery of further knowledge content.	Techniques 6. Graphics knowledge and sketching tasks 7. Protecting your designs 8. Design and its influence on the world 9. Planning for manufacture 10. Exam style questions	Unit Assessment – Design Folio for a set project specification	
December	PRELIM Full paper			

January	Final Assignment	Weekly homeworks will be	Pupils will be expected to	
		issued to cover all the course	meet deadlines throughout	
	Higher Assignment (90 marks)	content, these will be exam	this period to aid the	
		style questions.	production of their folio	
	12 x A3 Folio Sheets and use of Practical			
February	Modelling			
	1.1 Research & Specification			
	1.2 Idea Generation			
March	1.3 Exploration			Assignment – Sent
	1.4 Refinement			to SQA
	1.5 Practical Modelling Techniques			Worth 53%
	1.6 Plan for Commercial Manufacture			
April	Theory Revision for Exam	Exam style homework		
		questions		