

Grange Academy

Senior Phase Assessment Overview

2024-25

HIGHER DESIGN AND MANUFACTURE



Week/Month	Learning Focus	Homework	Assessment	Coursework Submitted to SQA
May				
June	<p>Skill Builder Tasks –</p> <ul style="list-style-type: none"> • Design Factors / Graphic Techniques • Problem Situation / Analysing a Brief / Specification <p>Generating Idea / Practical Modelling Skills</p>	<p>Weekly homeworks covering the following:</p> <ol style="list-style-type: none"> 1. Continuation of Incomplete Classwork & Study/Practice of Weak Areas 2. Advanced reading for topics 3. Exam Style Modelling Questions 		
August	<p>Materials and Manufacturing Unit Outcomes 1 & 2:</p> <ul style="list-style-type: none"> • Analyse the production of a commercial product • Plan the production of a commercial product 	<p>Weekly homeworks covering the following:</p> <ol style="list-style-type: none"> 1. Material Properties & Uses 2. Commercial Manufacturing Processes 3. Assembly Methods 4. Modelling Techniques 		

September	<p>Outcome 1 will be achieved by completion of a series of research/knowledge based tasks on given commercial products.</p> <p>Outcome 2 will be achieved by completion of a predetermined modelling tasks (Garmin Task) and written responses based on knowledge.</p>			
October	<p>Unit will run in parallel with delivery of knowledge content.</p>		Unit Assessment – Design and Model of a Garmin Satellite Navigational Product	
October	<p>Design Unit Outcomes 1 & 2: Pupils learn the various stages of the Design Process to complete a Practice Design Folio</p> <p>Outcome 1</p> <ul style="list-style-type: none"> Analyse a design brief and produce a detailed specification Develop and communicate a proposal to meet a design specification <p>Unit will be delivered with a project such as the “Animal Feeder.”</p> <p>Unit will run in parallel with delivery of further knowledge content.</p>	<p>Weekly homeworks covering the following:</p> <ol style="list-style-type: none"> The Design Team Beginning the Design Process Design Factors Specifications Idea Generation Techniques Graphics knowledge and sketching tasks Protecting your designs Design and its influence on the world Planning for manufacture Exam style questions 		
November			Unit Assessment – Design Folio for a set project specification	
December	<p>PRELIM Full paper</p>			

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