

Grange Academy

Senior Phase Assessment Overview

2024-25

NATIONAL 5 GRAPHIC COMMUNICATION



Week/Month	Learning Focus	Homework	Assessment	Coursework Submitted to SQA
May	Course Introduction 3D Modelling – Skill Building using basic 2D sketching commands, the extrude and revolve commands, assembly constraints			
June	Introduction to CAD – Using Serif CAD software to create/manipulate images			
August	Reading and interpreting orthographic drawings: <ul style="list-style-type: none"> • Drawing standards, protocols and conventions • 3rd angle projection • Line types • Use of scale Application of 3D modelling techniques to new and unfamiliar contexts: <ul style="list-style-type: none"> • Modelling techniques • Assembly constraints 	Weekly homeworks covering: 3D Modelling Rendering & Illustration Computer Aided Design (CAD) Reading & Interpreting Drawings Technical Drawings Standards and Conventions		

	<ul style="list-style-type: none"> Using 3D modelling software and equipment 			
September	<p>Producing high quality rendered images of pictorial drawings:</p> <ul style="list-style-type: none"> Surface texture, tonal change and colour Light sources, surface texture and materials Shadows and reflections on a surface Using 3D modelling software and equipment <p>3D modelling plans: Using appropriate terminology, basic CAD commands, techniques and practice in the production of 3D models and illustrations</p>	<p>Weekly homeworks covering:</p> <p>3D Modelling Rendering & Illustration Computer Aided Design (CAD) Reading & Interpreting Drawings Technical Drawings Standards and Conventions</p>	<p>Unit Assessment 1 (3D and Pictorial Unit): Candle Light Diffuser</p>	
October	<p>Colour Theory:</p> <ul style="list-style-type: none"> Primary, secondary and tertiary; tints and shades; warm and cool; advancing and receding Creating contrast, harmony and unity through the use of colour in Promotional and marketing contexts; and moods created by the main colour groups <p>Graphs and Charts:</p> <ul style="list-style-type: none"> Producing informational graphics that transmit statistical information with relevant visual impact Planning the design and justifying the choice of informational graphic to suit a given scenario <p>Desktop Publishing:</p>	<p>Weekly homeworks covering the following:</p> <p>Desktop Publishing Graphs & Charts</p>	<p>Unit Assessment 2 (2D Unit): Sporting Life</p> <p>Half Term Assessment</p>	

	<ul style="list-style-type: none"> Identifying the design principles and elements used to create promotional layouts and displays 			
November	<p>Creating pictorial or 3D promotional displays:</p> <ul style="list-style-type: none"> Preliminary design idea, digitally generated <p>Graphic Communication Technology:</p> <ul style="list-style-type: none"> Impact on society and the environment Paperless office, touchscreen devices Remote working, communication and international working 	Weekly homeworks covering: GC Technology	Unit Assessment 3 (2D Unit): LED Keyring	
December	<ul style="list-style-type: none"> Printing techniques and 3D printing, recycled materials CAD in industry – manufacturing, marketing and promotional Hardware, software, file management Input and output devices 	Revision for prelim	Unit Assessment 4 (3D & Pictorial Unit): POS Business Card	
December	PRELIM			
January	<p>Building Drawings:</p> <ul style="list-style-type: none"> Symbols for building construction Building construction drawing - location plans, site plans, floor plans, sectional views, elevations and scale <p>Conventions for Sectioning and Hatching in technical drawings</p>	Weekly homeworks covering: Building drawings Sections Technical Drawings		
February	<p>Technical Drawing:</p> <ul style="list-style-type: none"> Understanding the roles, benefits and uses of views and techniques Communicating geometric forms and shapes 	Weekly homeworks covering: Building drawings Sections Technical Drawings	Unit Assessment 5 (2D Unit): Lamp Shade	

	<ul style="list-style-type: none"> • Producing details of everyday objects and structures • True lengths and true shapes • Surface developments • Assembly drawings • Exploded and isometric views <p>Unit Assessment 5 (2D Unit): Lamp Shade</p>			
March	SQA Course Assignment: 8 Hour timed assignment, completed in class.	Exam Revision HWs		Assignment – sent to SQA. Worth 40 marks, 33%
April	Exam Revision Question Paper – 80 marks, 67% of grade	Exam Revision HWs		