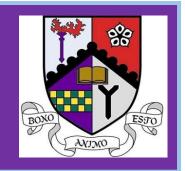
## Grange Academy Senior Phase Assessment Overview 2024-25

## NATIONAL 5 GRAPHIC COMMUNICATION



Week/Month	Learning Focus	Homework	Assessment	Coursework
May	Course Introduction 3D Modelling – Skill Building using basic 2D sketching commands, the extrude and revolve			Submitted to SQA
June	Introduction to CAD – Using Serif CAD software to create/manipulate images			
August	Reading and interpreting orthographic drawings:  Drawing standards, protocols and conventions  3 <sup>rd</sup> angle projection  Line types  Use of scale  Application of 3D modelling techniques to new and unfamiliar contexts:  Modelling techniques  Assembly constraints	Weekly homeworks covering: 3D Modelling Rendering & Illustration Computer Aided Design (CAD) Reading & Interpreting Drawings Technical Drawings Standards and Conventions		

Using 3D modelling software and equipment			
Producing high quality rendered images of pictorial drawings:  • Surface texture, tonal change and colour  • Light sources, surface texture and materials  • Shadows and reflections on a surface  • Using 3D modelling software and equipment  3D modelling plans: Using appropriate terminology, basic CAD commands, techniques and practice in the production of 3D models and illustrations	Weekly homeworks covering: 3D Modelling Rendering & Illustration Computer Aided Design (CAD) Reading & Interpreting Drawings Technical Drawings Standards and Conventions	Unit Assessment 1 (3D and Pictorial Unit): Candle Light Diffuser	
<ul> <li>Colour Theory:         <ul> <li>Primary, secondary and tertiary; tints and shades; warm and cool; advancing and receding</li> <li>Creating contrast, harmony and unity through the use of colour in</li> <li>Promotional and marketing contexts; and moods created by the main colour groups</li> </ul> </li> <li>Graphs and Charts:         <ul> <li>Producing informational graphics that transmit statistical information with relevant visual impact</li> <li>Planning the design and justifying the choice of informational graphic to suit a given scenario</li> </ul> </li> </ul>	Weekly homeworks covering the following: Desktop Publishing Graphs & Charts	Unit Assessment 2 (2D Unit): Sporting Life Half Term Assessment	
	Producing high quality rendered images of pictorial drawings:  Surface texture, tonal change and colour  Light sources, surface texture and materials  Shadows and reflections on a surface  Using 3D modelling software and equipment  3D modelling plans: Using appropriate terminology, basic CAD commands, techniques and practice in the production of 3D models and illustrations  Colour Theory:  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  Graphs and Charts:  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	Producing high quality rendered images of pictorial drawings:  Surface texture, tonal change and colour  Light sources, surface texture and materials Shadows and reflections on a surface Using 3D modelling software and equipment  3D modelling plans: Using appropriate terminology, basic CAD commands, techniques and practice in the production of 3D models and illustrations  Colour Theory: 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  Graphs and Charts: 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	Producing high quality rendered images of pictorial drawings:  Surface texture, tonal change and colour Light sources, surface texture and materials Shadows and reflections on a surface Using 3D modelling software and equipment 3D modelling plans: Using appropriate terminology, basic CAD commands, techniques and practice in the production of 3D models and illustrations Colour Theory: 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  Graphs and Charts: 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  Weekly homeworks covering: 3D Modelling Rendering & Illustration Covering: 3D Modelling Pictorial Unit): Candle Light Diffuser  Weekly homeworks covering the following: Desktop Publishing Graphs & Charts  Unit Assessment 2 (2D Unit): Sporting Life Unit):

	<ul> <li>Identifying the design principles and elements used to create promotional layouts and displays</li> </ul>		
November	<ul><li>Creating pictorial or 3D promotional displays:</li><li>Preliminary design idea, digitally generated</li></ul>	Weekly homeworks covering: GC Technology	Unit Assessment 3 (2D Unit): LED Keyring
	<ul> <li>Graphic Communication Technology:</li> <li>Impact on society and the environment</li> <li>Paperless office, touchscreen devices</li> <li>Remote working, communication and</li> </ul>		
December	<ul> <li>international working</li> <li>Printing techniques and 3D printing, recycled materials</li> <li>CAD in industry – manufacturing, marketing and promotional</li> <li>Hardware, software, file management</li> <li>Input and output devices</li> </ul>	Revision for prelim	Unit Assessment 4 (3D & Pictorial Unit): POS Business Card
December	PRELIM		
January	<ul> <li>Building Drawings:</li> <li>Symbols for building construction</li> <li>Building construction drawing - location plans, site plans, floor plans, sectional views, elevations and scale</li> </ul>	Weekly homeworks covering: Building drawings Sections Technical Drawings	
	Conventions for Sectioning and Hatching in technical drawings		
February	<ul> <li>Technical Drawing:</li> <li>Understanding the roles, benefits and uses of views and techniques</li> <li>Communicating geometric forms and shapes</li> </ul>	Weekly homeworks covering: Building drawings Sections Technical Drawings	Unit Assessment 5 (2D Unit): Lamp Shade

	Producing details of everyday objects and		
	structures		
	<ul> <li>True lengths and true shapes</li> </ul>		
	<ul> <li>Surface developments</li> </ul>		
	Assembly drawings		
	Exploded and isometric views		
	Unit Assessment 5 (2D Unit): Lamp Shade		
March	SQA Course Assignment: 8 Hour timed		Assignment – sent
	assignment, completed in class.	Exam Revision HWs	to SQA. Worth 40
			marks, 33%
April	Exam Revision	Errora Barriaia a LINA/a	
	Question Paper – 80 marks, 67% of grade	Exam Revision HWs	