		Higher Graph	nic Com	nunicat	tion 2021-22	
	Week No.	Final grades are determined by an external exam. The Course Assessment consists of an Assignment (50 marks) and a Question Paper(90 marks)			Homework	
Jun	1	Introduction to course Learning Outcomes – e.g. Impact on Environment	Manual sk Orthographic sketches of l	& Pictorial	CAD Modelling: Using Inventor to create modelling plans, model and assembly of Lego blocks	Download Inventor at Home. Use 3D Made Easy website
	2	Desktop Publishing - Festival Ticket: • DTP Elements & Principles				H/W - Inventor exercises
	3	 Produce preliming of design elements specification) Master page conductive Multi-page promousing design elements Describe and justify the commerce and their imp 				
Summer Holiday						
	1	Inventor exercises: Extrude/Revolve/Loft/Helix/Extrude along a path				H/W - Interpenetration drawings
Aug	2	Standards & Conventions: • Line Types • Dimensioning • Internal and External screw threads • Symbols • Knurling • Flat Face • Manufacturing Tolerances • 3 rd Angle Projection Symbol CAD Library			H/W - 3D Made Easy Online Video Tutorials	
	3	Digital vs Manual Course Overview: Breakdown of marks / Topics covered within Course Assessment Specification Interpenetration: Inventor models / Boardwork				
Sept	4	Re-cap on Inventor si Interpenetration: Boardwork / Inventor model of Cup & Straw Holder	CAD Model Paper 201! Extinguisher model and a written ques	5 Q1 – Fire (Create answer	CAD Modelling: Past Paper 2017 Q1 – Bicycle (Create model and answer written questions)	H/W – Revision (CAD Modelling Techniques)
	5	Tangency: HJI (Complete drawing) HJ2 / HJ3 (Create Inventor models and complete drawings) Past Paper — 2018 Q1b (Ellipses) Q1c (CAD Modelling/Tangency) Q4c (PCD) Past Paper — 2016 Q1g (Tangency)				
	6	CAD Modelling: Past Paper 2016 Q1 – Guitar (CAD Library, Benefits of CAD Models, Top Down / Bottom Up Modelling, Offset Command, Radial Array, PCD) Model Q1e				H/W – DTP Elements and Principles

	7	DTP - Image Manipulation Task (Kite Image) DTP Task - Venue / Event Leaflet Research Page Formatting options Thumbnail sketches Presentation Visual Master Page Final Promotional Document Evaluation	
Oct	8	DTP Task - Venue / Event Leaflet (Cont.)	H/W – Revision for class test
		October Week	
	9	Class Test Revision CAD Modelling The 3 Ps Standards and Conventions Ellipses Tangency DTP CAD Library Digital vs Manual	H/W – Revision
Oct	10	Class Test Results / Marking Scheme	based on class test results

	11 Interim Report	CAD Modelling / Assembly – Soap Dispenser • Modelling component parts of soap dispenser • Create a complex assembly using 3D Constraints • Create Orthographic drawings of components and assembly o Ortho views Dimensioning Line Types Section views Detail views Exploded views	H/W – PP Question – Internal and External Screw Threads
Nov	12	Drawing Standards and Conventions	
	13	 DTP – Soap Dispenser Research advertisements for cosmetic products Create a Graphic Specification Create thumbnail sketches of DTP poster 	H/W – Drawing Standards and Conventions
	14	Create final promotional document to advertise soap dispenser Render and apply light sources, materials and textures	
Dec	15	 Manual Rendering – Soap Dispenser Create a 2D sketch of the soap dispenser Render using marker pens 	H/W – Manual Rendering
	16	 Geometric Shapes and Forms / Views and Techniques True lengths and shapes Surface Developments Auxiliary Views File Types CAD (dxf, 3ds, step/iges) DTP (raster & vector) 	
	17	Course Assignment Preparation	H/W – File Types
	18		
		Christmas	
Jan	19	Course Assignment Preparation – Lamp Project	
	20 Full Report		H/W – Course assignment
	21	Lamp Project contd.	preparation

	22 Parents' Evening	Prelim Revision	H/W – Prelim Revision	
Feb	23	Prelim exam		
	24			
	25	Course Assignment: (8 Hours)	H/W – Course assignment preparation	
	26		ргерагация	
Mar	27			
	28		H/W – Exam Revision	
	29 Interim Report	Exam preparation		
	30			
Easter				
Apr	31	Evam proparation	H/W – Exam Revision	
	32	Exam preparation	Revision	