DESIGN & TECHNOLOGY PLANNING FOR 2021/22

Y10 GCSE: Art & Design: 3D Product Design

TERM 1

	WK	LESSON	ACTIVITY	HWK
WHAT IS 3D PRODUCT DESIGN (6)				
RESOURCES class sets of	1&2	1	Intro to course/expectations	
		2	Research & Moodboard	1
		3	Research & Moodboard	
		4	Research & Moodboard	
		5	Update Portfolio	
		6	Update Portfolio	
DESIGNER PROFILE - MEMPHIS THEMED LAMP (12)				
RESOURCES class sets of	3&4	7	Introduction	
		8	Gathering research	2
		9	Presenting research	
		10	Analysing research	
		11	Designing a 3D Product	
		12	Designing a 3D Product	
	5&6	13	Designing a 3D Product	
		14	Modelling ideas	
		15	Modelling ideas	3
		16	Modelling ideas	
		17	Update Portfolio	
		18	Update Portfolio	
UNDERSTANDING VISUAL ELEMENTS - (18)				
RESOURCES class sets of	7&8	19	colour: RESEARCH	
		20	colour: APPLY	4
		21	line: RESEARCH	
		22	line: APPLY	
		23	form: RESEARCH	
		24	form: APPLY	
	9&10	25	tone: RESEARCH	
		26	tone: APPLY	
		27	texture: RESEARCH	5
		28	shape: APPLY	
		29	pattern: RESEARCH	
		30	pattern: APPLY	
	11&12	31	composition: RESEARCH	
		32	composition: APPLY	
		33	Reflect and refine	6
		34	Reflect and refine	
		35	Update Portfolio	
		36	Update Portfolio	

TERM 2

	WK	LESSON	ACTIVITY	HWK
NATURAL FORMS - BOX DESIGN (18)				
RESOURCES class sets of	13&14	37	Intro to Natural Forms	
		38	Moodboard and Analysis	7
		39	Sketching Techniques	
		40	Generating ideas in 2D	
		41	Generating ideas in 3D	
		42	Tesing and Trialing	
	15&16	43	Tesing and Trialing	
		44	Box Construction	
		45	Box Construction	8
		46	Box Construction	
		47	Box Construction	
		48	Box Construction	
	17&18	49	Experimentation	
		50	Creating a Lid Design	
		51	Creating a Lid Design	
		52	Apply Finish / Evaluate	9
		53	Update Portfolio	
		54	Update Portfolio	
CAD/CAM (18)				
RESOURCES class sets of	19&20	55	Intro to CAD/CAM	
		56	Intro to Tech Soft	
		57	Tech Soft Task 1	10
		58	Tech Soft Task 2	
		59	Tech Soft Task 3	
		60	Laser cutting	
	21&22	61	Intro to Sketch up	
		62	Creating 3D forms	
		63	Creating 3D forms	
		64	Dimensioned Drawings	11
		65	Sketch up Task 1	
		66	Sketch up Task 1	
	23&24	67	Sketch up Task 2	
		68	Sketch up Task 2	
		69	Sketch up Task 3	12
		70	Sketch up Task 3	
		71	Update Portfolio	
		72	Update Portfolio	

TERM 3

	WK	LESSON	ACTIVITY	HWK
TOY CAR DESIGN (18)				
RESOURCES class sets of	25&26	73	Intro to Classic Cars	
		74	Big Picture/Analysis	
		75	Resarching cars	13
		76	Resarching wooden toy cars	
		77	Materials and processess	
		78	Designing with Tech Soft	
	27&28	79	Modelling	
		80	Tools and equipment	
		81	Marking Out	
		82	Cutting and Shaping	14
		83	Cutting and Shaping	
		84	Cutting and Shaping	
	29&30	85	Drilling Holes	
		86	Sanding	
		87	Assembly	
		88	Decorate and Finishing	15
		89	Evaluation	
		90	Update Portfolio	
MOCK EXAM PREP (12)				
RESOURCES class sets of	31&32	91	Investigating a Context	
		92	Artist/Designer	
		93	Develop	16
		94	Refine	
		95	Record	
		96	Present	
	33&34	97	MOCK EXAMS	
		98		
		99		
		100		17
		101	Mock Practical Exam	
		102	Mock Practical Exam	
WORK EXPERINCE				
RESOURCES class sets of	35&36	103	WORK EXPERIENCE	
		104	WORK EXPERIENCE	18
		105	Update Portfolio	
		106	Update Portfolio	
		107	Update Portfolio	
		108	Update Portfolio	

DESIGN & TECHNOLOGY PLANNING FOR 2021/22

Y11 GCSE: Art & Design: 3D Product Design

TERM 1

	WK	LESSON	ACTIVITY	HWK
Y10 PORTFOLIO OF EVIDENCE (6)				
RESOURCES class sets of	1&2	1	Toy Car Project	
		2	LIghting Project	1
		3	LIghting Project	
		4	Box Project	
		5	Box Project	
		6	CAD	
DESIGNER PROFILE - TABLE DESIGN (30)				
RESOURCES class sets of	3&4	7	Investigating a Context	
		8	Analysis and Mindmap	2
		9	Artist/Designer	
		10	Artist/Designer	
		11	Mood board	
		12	Mood board	
	5&6	13	Develop	
		14	Sketching from research	
		15	Desiging ideas	3
		16	CAD ideas	
		17	Refine	
		18	Development	
	7&8	19	Experimentation	
		20	Annotation	4
		21	Sketch Modelling	
		22	Present	
		23	Modelling final idea	
		24	Planning Manuacture	
	9&10	25	Construction of Table	
		26	Marking out	
		27	Cutting & Shaping	5
		28	Cutting & Shaping	
		29	Cutting & Shaping	
		30	Record	
	11&12	31	Sanding	
		32	Assembly	
		33	Assembly	6
		34	Decorate and Finishing	
		35	Evaluation	
		36	Update Portfolio	

TERM 2

	WK	LESSON	ACTIVITY	HWK
MOCK EXAM PREP (36)				
RESOURCES class sets of	13&14	37	Investigating a Context	
		38	Analysis and Mindmap	7
		39	Artist/Designer	
		40	Artist/Designer	
		41	Mood board	
		42	Mood board	
	15&16	43	Develop	
		44	Sketching from research	
		45	Desiging ideas	8
		46	CAD ideas	
		47	Analysis and Mindmap	
		48	Artist/Designer	
	17&18	49	Refine	
		50	Development	
		51	Experimentation	
		52	Annotation	9
		53	Sketch Modelling	
		54	Present	
	19&20	55	Modelling final idea	
		56	Planning Manuacture	
		57	Construction of Table	
		58	Marking out	10
		59	Cutting & Shaping	
		60	Cutting & Shaping	
		61	Cutting & Shaping	
	21&22	62	Record	
		63	Sanding	
		64	Assembly	
		65	Assembly	11
		66	Assembly	
	23&24	67	Decorate and Finishing	
		68	Decorate and Finishing	
		69	Evaluation	
		70	Update Portfolio	12
		71	Update Portfolio	
		72	Update Portfolio	

TERM 3

	WK	LESSON	ACTIVITY	HWK
PORTFOLIO OF EVIDENCE (18)				
RESOURCES class sets of	25&26	73	CAD Module	
		74	Sketch Up	
		75	Sketch Up	13
		76	Sketch Up	
		77	Sketch Up	
		78	Sketch Up	
	27&28	79	Making Module	
		80	Finishing 3D outcomes	
		81	Finishing 3D outcomes	
		82	Finishing 3D outcomes	14
		83	Finishing 3D outcomes	
		84	Finishing 3D outcomes	
	29&30	85	Reflect and Refine	
		86	Annotation	
		87	Sketching	
		88	Analysis	15
		89	Update Portfolio	
		90	Update Portfolio	
STUDY LEAVE				
	31&32	91		
		92		
		93		16
		94		
		95		
		96		
	33&34	97	PUBLIC EXAMS	
		98		
		99		
		100		17
		101		
		102		
	35&36	103		
		104		
		105		18
		106		
		107		
		108		