



DESIGN & TECHNOLOGY

ART & DESIGN – 3D DESIGN (PRODUCT DESIGN)

Scheme of Work Lesson Outline

YEAR	AUTUMN	SPRING	SUMMER
9 2019/20	<p>A</p> <p>Module 1 INTRODUCTION TO THE GCSE What to expect How to succeed on this course Assessment criteria</p> <p>HEALTH & SAFETY Being aware of risks and hazards Personal Protective Equipment Workshop Rules and Protocols</p> <p>Module 2 WORKING WITH TIMBER & JOINTS Experiment making wood joints Permanent / temporary BOX PROJECT – Big Picture/Context</p> <p>Module 3 BOX CONSTRUCTION Manufacturing Diary</p>	<p>A</p> <p>Module 7 LIGHTING PROJECT Looking at existing products ACCESS FM USB powered kit Component parts Moveable joints testing LIGHTING PROJECT – Big Picture/Context</p> <p>Module 8 LIGHTING CONSTRUCTION Cutting and shaping the base arms and shade Soldering the circuit Creating movable joints Manufacturing Diary</p> <p>Module 9 DEVELOPING THE PRODUCT Record of experimentation Developing the component parts in response to looking at the work of others.</p>	<p>A</p> <p>Module 13 INVESTIGATING A DESIGNER Recording the work of an artist, craftsperson or designer whose work they find inspirational</p> <p>Produce a finished product item based on the inspiration Record of experimentation</p> <p>Module 14 QUALITY CONTROL Sanding and finishing components Applying a finish Final assembly Manufacturing Diary</p> <p>Module 15 EVALUATING THE PRODUCT Photographic record Gathering feedback from users Testing and Trailing Suggesting modifications</p>
	<p>B</p> <p>Module 4 FINISHING TECHNIQUES Record of experimentation Application to box lid</p> <p>Module 5 DRAWING TECHNIQUES First hand observations Looking at form, structure and surface texture Sketching and annotation Exploded drawings Isometric 2 point perspective</p> <p>Module 6 INVESTIGATING A DESIGNER Recording the work of an artist, craftsperson or designer whose work they find inspirational</p> <p>Produce a finished product item based on the inspiration</p>	<p>B</p> <p>Module 10 CAD/CAM Using 2D Design Using the laser cutter</p> <p>Module 11 QUALITY CONTROL Sanding and finishing components Applying a finish Final assembly Manufacturing Diary</p> <p>Module 12 EVALUATING THE PRODUCT Photographic record Gathering feedback from users Testing and Trailing Suggesting modifications</p>	<p>B</p> <p>Module 16 MOCK Non-exam assessment (NEA) Brief Analysis of the context Researching the work of others Sketching and annotation</p> <p>Module 17 MOCK 4-hour practical Creation of response to brief</p> <p>Module 18 CREATING A PORTFOLIO Looking at examples Gathering evidence from the previous modules and presenting as a final record for assessment</p>

