

KS3 Design and Technology

	Year 7	Year 8	Year 9
	<p>Baseline Sketching Test</p> <ul style="list-style-type: none"> ● Sketching and rendering test <p>Health and Safety induction</p> <ul style="list-style-type: none"> ● Workshop induction <p>Rollercoaster</p> <ul style="list-style-type: none"> ● Designer Research ● 2D Sketching ● Template Making ● Cutting using coping saws and scroll saws ● Sanding using belt and bobbin sanders ● Pillar drill ● Heat gun ● Countersinking <p>Door Hanger</p> <ul style="list-style-type: none"> ● Mind Mapping ● Research ● Sketching and rendering using pencil ● Soldering ● Circuit building <p>Iconic</p> <ul style="list-style-type: none"> ● Mind Mapping ● Moodboarding / Image Gathering ● Storyboarding / Layout Designs ● Photoshop idea development ● Present final outcomes and phone screensavers / backgrounds <p>Typography</p> <ul style="list-style-type: none"> ● Understanding typography ● Using Google Slides typography functions ● Moodboarding ● Colour theory ● Produce hand drawn typography ● Produce digital typography 	<p>Baseline Sketching Test</p> <ul style="list-style-type: none"> ● Sketching and rendering test <p>Health and Safety</p> <ul style="list-style-type: none"> ● Workshop safety recap <p>Wacky Racers</p> <ul style="list-style-type: none"> ● Electronics and mechanical system ● Plastics ● System blocks ● Specification ● Develop creativity skills and presentation techniques ● Develop a design ● Orthographic drawing ● Model a design using modelling foam ● Making an electronic circuit ● Using heat to shape and form plastics (Vacuum Forming) ● Assembling an electro mechanical system ● Review <p>Onshape 3D Design</p> <ul style="list-style-type: none"> ● Learn basic tools for SKETCH, EXTRUDE, MIRROR, PATTERN, RENDERING ● 2D Sketching ● Idea Generation ● CAD Development of Ideas ● Laser cut Outcome and Finish <p>Ocean Project</p> <ul style="list-style-type: none"> ● Research ● Moodboarding ● 2D sketching ● Shaping using coping saws ● Packaging design 	<p>Baseline Sketching Test</p> <ul style="list-style-type: none"> ● Sketching and rendering test <p>Health and Safety</p> <ul style="list-style-type: none"> ● Workshop safety recap <p>Wearable Fantasy (Jewellery Project)</p> <ul style="list-style-type: none"> ● Designer Analysis ● Moodboarding ● Idea Generation ● Developing ideas using CAD / CAM in to final pieces and moulds for production ● Lasercutting moulds ● Pewter casting outcomes ● Presentation & Evaluation <p>A Night at the Movies</p> <ul style="list-style-type: none"> ● Using Photoshop Skills ● Analysing existing posters ● Moodboarding ● Storyboarding / Layout Designs ● Photoshop development ● Present final outcomes <p>3D Lantern</p> <ul style="list-style-type: none"> ● Artist research ● 2D graphic designs ● Accurate marking out ● Tenon saw ● Pillar drill ● Coping saw ● Sanding ● Gluing and pinning