

Curriculum Overview - Year 9 DT Resistant Materials

Week	1	2	3	4	5	6	7	8
Unit Theme and Assessed Knowledge/ Skills	<ul style="list-style-type: none"> To reintroduce RM skills to year 9 students To build on knowledge of resistant materials To further understanding of materials. Students are tasked with designing and creating a skateboard designed around the shape of a Penny board. 					<ul style="list-style-type: none"> To build on industry techniques. To further research skills. To build on how to take research into design ideas. To develop on drawing skills. 		
Lesson Topics Sequence & Content	Baseline test		Classroom expectations Overview of health and safety in the workshop		Iterative design - what is this and how does this create a design		Introduction to what a mood board is and how we use them within the creative industries. Students to find images relating to their own theme and print them off. What products are already out there in the market	
Key Assessments	Baseline Assessment				Knowledge organiser assessment.			



Week	9	10	11	12	13	14	15	16
Unit Theme and Assessed Knowledge/ Skills				<ul style="list-style-type: none">To develop iterative design skills.To further develop drawing skills with a range of design approaches				
Lesson Topics Sequence & Content	Creating a design. Students to start designing their own skateboard following a design brief and a client-based project.		Creating a final design with working drawing and accurate measurements		Developing hand tool skills and working with wood and other materials suitable for a skateboard. Looking closely at the shape of the board.		Developing hand tool skills and working with wood and other materials suitable for a skateboard. Looking closely at the shape of the board. Introduction into the laser cutter	
Key Assessments	Knowledge organiser assessment.				Knowledge organiser assessment.			



Week	17	18	19	20	21	22	23	24
Unit Theme and Assessed Knowledge/ Skills			<ul style="list-style-type: none"> To build on RM skills Creating a prototype 	<ul style="list-style-type: none"> To build on understanding of how to take a 2D design to a 3D outcome. To build on cutting skills. To combine all knowledge and skill to create outcome. To build on confidence on independent working. 				
Lesson Topics Sequence & Content	Building on previous lesson – creating the skateboard, using sander and thinking about the finish		Building on previous lesson – creating the skateboard, using sander and thinking about the finish		Develop knowledge and skills on how to use hand tools and creating a finished piece.		Combine all that has been taught and use their final design ideas to create an outcome. Thinking about the aesthetics design	
Key Assessments	Knowledge organiser assessment.				Knowledge organiser assessment.			



Week	25	26	27	28	29	30	31	32
Unit Theme and Assessed Knowledge/ Skills	<ul style="list-style-type: none">• To build on understanding of how to take a 2D design to a 3D outcome.• To build on cutting skills.• To combine all knowledge and skill to create outcome.• To build on confidence on independent working.							
Lesson Topics Sequence & Content	Combine all that has been taught and use their final design ideas to create an outcome. Thinking about the aesthetics design.							
Key Assessments	Knowledge organiser assessment.		Outcome review one.		Knowledge organiser assessment.			



Week	33	34	35	36	37	38	39
Unit Theme and Assessed Knowledge/ Skills	<ul style="list-style-type: none">To build on understanding of how to take a 2D design to a 3D outcome.To build on cutting skills.To combine all knowledge and skill to create outcome.To build on confidence on independent working.					To evaluate project by looking back on all skills, knowledge and outcome.	<i>Curriculum enrichment.</i>
Lesson Topics Sequence & Content	Combine all that has been taught and use their final design ideas to create an outcome.					Evaluation of project. Students will complete a formal assessment and a written evaluation of their project.	<i>Curriculum enrichment.</i>
Key Assessments	Knowledge organiser assessment. Outcome review two.					Formal assessment and evaluation.	<i>Curriculum enrichment.</i>