

Year 7 Scheme of Work – Designing a Keyring (8-9 weeks)

Week	Activity	What is being taught	Differentiation	Health & Safety	Cultural Capital
1	<ul style="list-style-type: none"> Complete Health & Safety Rules in workbook Demo how to use Tools and Equipment (new technologies) Safely Students complete 'Licence to Drill' activity (Use of Hegner Saw, Electric Drill, Bandfacer, Coping Saw, Hand File) Write Brief into workbooks 	<ul style="list-style-type: none"> How to work safely in the work shop Literacy skills- key words Using Tools and equipment safely New developments in Design Technology 	Lower ability -Copy Health and Safety rules from the board Key words for tool on walls and worksheet Lower ability work with a partner to complete Licence to Drill activity Extension - Presentation techniques to improve grade	<ul style="list-style-type: none"> Complete Health & safety certificate (Licence to Drill) 	<ul style="list-style-type: none"> Working safely Working with others Use of specialist Tools and equipment New Technologies
2	<ul style="list-style-type: none"> Research task – students will research either Quentin Blake or Nick Sharratt Presentation on both designers using Youtube Students will produce one page (minimum) on one of their chosen designers and include their opinion of their work Complete research task for homework 	<ul style="list-style-type: none"> Research skills Working independently Presentation skills (presenting the page creatively) 	<ul style="list-style-type: none"> Pictures will be provided for students who do not have access to a computer or printer Modelling of how to present research information Guidance on Show my Homework of what to include 	N/A	<ul style="list-style-type: none"> Researching and Evaluating the work of Designers Quentin Blake Nick Sharratt Working independently Creativity Working to a deadline
3	<ul style="list-style-type: none"> Write Brief into workbooks 	<ul style="list-style-type: none"> Presentation skills 	Lower Ability -Modelling good practice by	<ul style="list-style-type: none"> Complete worksheet on 	<ul style="list-style-type: none"> Solving Design Problems

	<ul style="list-style-type: none"> • Demo how to present 4 design ideas on the page • Students produce 4 design Ideas for a keyring in work book • Complete worksheet on names of Tools and Equipment for homework 	<ul style="list-style-type: none"> • Communicating ideas • Names of tools 	producing 4 design ideas for lower ability to use Extension – design ideas in colour with annotation Key words for tool on walls and worksheet	names of Tools and Equipment for homework	<ul style="list-style-type: none"> • Using research to inform ideas
4	<ul style="list-style-type: none"> • Select best design idea to work up to fill page in work book, in colour with annotation • Demo ‘what a good standard of presentation looks like’. (Use of a ruler, annotation, use of colour and fine liner pen) 	<ul style="list-style-type: none"> • Developing an idea • Presentation Skills • Annotation 	Lower ability - examples of good presentation. Writing frame for annotating ideas Extension – Use of Key Terms for annotation		<ul style="list-style-type: none"> • Solving Design Problems • Using research to inform ideas • Testing and Evaluating Ideas
4	<ul style="list-style-type: none"> • Demo how to mark out best idea onto 2mm MDF and cut out safely using correct tools • Students then mark out their own work onto 2mm MDF 	<ul style="list-style-type: none"> • Working safely • Marking out accurately 	Lower ability -Templates available for lower ability 1:1 support with practical task from teacher and technician Extension - The more confident students mark out using a ruler and working in mm	<ul style="list-style-type: none"> • Working safely in the workshop 	<ul style="list-style-type: none"> • Working safely • Working with others • Recycling and Sustainability
5	<ul style="list-style-type: none"> • Demo how to cut out best idea safely onto acrylic and cut out using correct tools • When they have completed their template students then mark out the work onto acrylic 	<ul style="list-style-type: none"> • How to work with others • Practical skills- cutting out • Using equipment and 	Lower Ability - Templates available for lower ability 1:1 support with practical task from teacher and technician Extension - Students develop and improve	<ul style="list-style-type: none"> • Working safely in the workshop 	<ul style="list-style-type: none"> • Working safely • Working with others • Recycling and Sustainability • Testing and Evaluating

		tidying away afterwards	their idea (Iterative design)		materials and equipment
6	<ul style="list-style-type: none"> Students then cut out their own work onto acrylic Demo how to improve finish using wet and dry and Buffer machine (new technologies) 	<ul style="list-style-type: none"> How to work with others Practical skills- cutting out Using equipment and tidying away afterwards 	Demo how to use Buffer machine safely Demo use of wet and dry Extension- working independently	<ul style="list-style-type: none"> Working safely in the workshop 	<ul style="list-style-type: none"> Working safely Working with others Recycling and Sustainability
7	<ul style="list-style-type: none"> Students will produce a design using CAD CAM (new technologies) Students will all complete the design for the 'Hippo ' character Students then complete the design of their own character as drawn in their books 	<ul style="list-style-type: none"> Demo how to use drawing tools on 2D Design How to add text to a design How to copy and save work to the student area 	Lower Ability-1:1 support with practical task from teacher and technician Extension Task – students will produce a variety of more detailed designs	<ul style="list-style-type: none"> Working safely in the IT room 	<ul style="list-style-type: none"> Investigating new technologies (CAD CAM) Use of specialist equipment- Laser Cutter Selecting more complex equipment to make products
8	<ul style="list-style-type: none"> Student paint their 'etched' designs Students photograph their work using the digital camera and print (new technologies) 	<ul style="list-style-type: none"> Working carefully with acrylic paint Using digital camera IT skills 	Lower Ability-1:1 support with practical task from teacher and technician	<ul style="list-style-type: none"> Working safely in the workshop 	<ul style="list-style-type: none"> Working safely Working with others Use of digital camera to record their ideas
9	<ul style="list-style-type: none"> Students complete a written evaluation of their work and glue in picture of their work 	<ul style="list-style-type: none"> Literacy skills Use of key technical words 	Lower ability- can use the Evaluation on the Power Point slide		<ul style="list-style-type: none"> Testing and Evaluating ideas

	<ul style="list-style-type: none"> Students complete Evaluation for homework 	<ul style="list-style-type: none"> Presentational skills 	inserting correct key words Extension task- students will work independently and label their work using key words		
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