

Subject Design Technology KS3- Mr Carney (using carousel each term)

Knowledge and Skills Overview	HT1	HT2
Year 7 -Keyring Project	<ul style="list-style-type: none"> • Base Line test • Health and Safety • Demo Tools and Equipment • Research task • Designing and Developing ideas with annotation 	<ul style="list-style-type: none"> • Modelling and Testing Ideas (creating a template design using MDF) • Marking out and cutting using Coping saw, Tenon saw and Hegner saw • Finishing skills using hand file, Wet and Dry paper and Polisher machine • Photographing and Evaluating
Year 7- Chester Zoo Project (Graphics)	<ul style="list-style-type: none"> • Base Line test • What is a Brief • How to Research Ideas • What is Typography • Creating a Logo 	<ul style="list-style-type: none"> • Designing a leaflet (2 lessons) • What is packaging for • Creating a NET • Designing packaging for a keyring • Photographing and Evaluating
Year 7 - Textiles	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> •
Year 8 – Textiles- Tote Bag Project Design and make a Tote Bag -Theme ‘Our World’	<ul style="list-style-type: none"> • Safety rules-discuss and write about hazards in Textiles. • Fabric types-wordsearch • Fibres and fabrics-origin, ppt and worksheet • Collage of bags-explain different bags and their purpose • Demonstration and practice on threading a sewing machine • Demonstration and practice basic stitches and applique on Bca-how much can they remember from Year 7 • Mood board • 6Rs-environmental and sustainability factors ppt • Finishing and decorative techniques-ppt • Design ideas for bag • Research on designers 	<ul style="list-style-type: none"> • Practise tie dye • Practise using sewing machine-driving test. • Cut out pieces for Tote Bag • Tie dye back piece of bag. • Add design to front of bag using applique, embroidery, fabric- paint, felt pens, crayons. Add decorations e.g. buttons, ribbon, etc. • Machine sew sides and base of bag • Machine sew handles of bag • Evaluation

	<ul style="list-style-type: none"> • Final design for bag -annotated 	
Year 8- Bird Box Project	<ul style="list-style-type: none"> • Health and Safety • Demo Tools and Equipment • Research task • Designing and Developing ideas including drawing in 3D and Isometric drawing with annotation 	<ul style="list-style-type: none"> • Modelling and Testing Ideas (creating finger joints using MDF) • Marking out and cutting finger joints using Coping saw, Tenon saw and Hegner saw • Finishing skills using PVA glue and wood filler, hand file, Glass paper and Sanding machine • Photographing and Evaluating
Year 9- Jewellery Project	<ul style="list-style-type: none"> • Health and Safety • Demo Tools and Equipment • Research task- Art Deco design • Designing and Developing ideas with annotation • Modelling and Testing ideas using card 	<ul style="list-style-type: none"> • Using CAD CAM to design a mould for casting metal • Demo how to cast metal using a mould created by the students • Finishing skills using Diamond files and Wet and Dry paper • Designing packaging using CAD CAM graphics • Vacuum Forming plastic for packaging • Assembling product • Photographing and Evaluation
Oracy/Lit/Num	<ul style="list-style-type: none"> • Key Technical Words • Annotating Design Ideas • Researching • Evaluating • Marking out and measuring 	
Cultural Capital	<ul style="list-style-type: none"> • Working safely • Working with others • Recycling and Sustainability • Supporting local wildlife and the environment (Y8 Bird Box project) • Researching Artists and Designer styles • Rennie Mackintosh William Morris • Quentin Blake Nick Sharratt • Clarice Clift 	

	<ul style="list-style-type: none"> • Dieter Rams • Sir Jonny Ive • Arts & Crafts • Art Nouveau • Art Deco • Memphis • Modernism • Radley, Kath Kidston, Vivienne Westwood, Michael Kors. • Use of upcycled/recycled materials-Iris Van Herpen, Viktor & Rolf 	
<p>Health & Safety</p>	<ul style="list-style-type: none"> • Students write H&S rules in their book • Demo of how to use tools and machinery safely • ‘Licence to Drill’ practical activity • Licence to Drill’ certificates for students • Go through safety rules in a textiles room. • Pupils given instructions and practice using equipment e.g. Sewing machine before using. Be supervised when using equipment. 	