

Curriculum Sequencing Skeleton – design technology, year 8

YEAR 8 DEVELOPING Knowledge and skills	Autumn	Spring	Summer
	Rotation 1 – 13 Hours	Rotation 2 – 13 Hours	Rotation 3 – 13 Hours
TOPIC	Memphis Lamp	Sustainable metal holder	Shibori bucket hat
SUBJECT	Design technology	Design technology	Textiles
Research	Health and safety Sustainability and recycling Moral social impacts Origins, sources, properties of polymers Memphis design movement Product programming, systems and electronics Client profile Analysing the work of others(secondary)	Health and safety Origins, sources, properties of metal Product lifecycle analysis 6Rs Design brief and specification Mood board Tools and equipment Sand casting	Health and safety Fibres recognition and production Origins, sources, properties of cotton Environmental and sustainable Impact History, application and techniques of Shibori Analysing the work of others (Primary)
Design	3D design idea development Iterative card modelling CAD CAM	Sketching product design ideas £d development and modelling	Machine stitching Shibori folding Sashiko embroidery
Manufacture	Vacuum forming Line bending Press forming Soldering Finishing acrylic Filing and finishing polymers Circuit testing Quality control	Casting Milling Filing and finishing metal Buffing Drilling Bending and forming Tap and die threading Quality control	Using a sewing machine Pressing and construction Shibori Dying Lay planning and production flowchart CAD CAM Sashiko embroidery Quality control
Evaluation	Project evaluation End of unit test	Project evaluation End of unit test	Project evaluation End of unit test