

PRIOR LEARNING

Using a craft knife and cutting mat

Knowledge of some 2D Design Tools functions

How to set up design pages

FUTURE LEARNING

Applying print to Textiles, Graphics and Resistant materials

T-Shirt manufacture for business and enterprise

CROSS CURRICULAR LINKS

Maths: Accurate positioning and alignment; converting measurements from 3D objects to 2D designs and vice versa; use of scale.

Geography: sourcing materials.

Music: Band identities/logos

DESIGN & TECHNOLOGY- YEAR 9 PRINTING

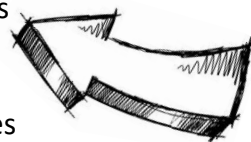
DESIGN

- 4 annotated print designs, good layout and presentation skills, application of correct printing technique to product



TECHNICAL KNOWLEDGE

- Printing on Papers and Boards Pgs 54 & 55
- Textiles Printing Pgs 84 & 85
- Sustainability and Social Issues Pgs 8 & 9



MAKE

- A4 screen print
- Sublimate digital designs onto mug

Optional/if time

- Silk batik sample
- Own block or stamp



EVALUATE

- Accuracy and placement of screen print
- Digital design – quality and number of variations and patterns
- Fast fashion contribution

TOOLS, EQUIPMENT & PROCESSES

Screen printing resources
Craft knife and cutting mat
Indian blocks
Sublimation machines
Batik – hot wax and tjanting tool
CAD software packages – 2D design, Adobe

EVIDENCE IN FOLDER



Design Ideas – prints



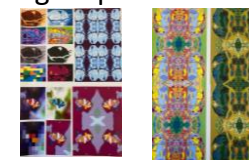
Date set: _____

Fast Fashion



Date set: _____

Digital pattern variations



Date set: _____

Screen print



Date set: _____

CAREER LINKS, INDEPENDENT STUDY IDEAS

Careers:

Life in print – top 10 print designers
Latest printmaking jobs

Work sheets:

2D design Tools:

How to make a rubber stamp

How to make a laser-cut block

Adobe Illustrator: Starting to make patterns

SMSC: variety of repair techniques

DT4 MRS BILZON

KEYWORD	IMAGE	DEFINITION	KEYWORD	IMAGE	DEFINITION
Screen printing		Can produce intricate patterns that can be repeated accurately. T shirts are often made this way. Easy to use many colours, good for large areas and is quick to do. However each colour has to be applied separately.	Rubber stamps		A form of block printing, these can be made in school using CAD/CAM. Mostly used to print onto papers and boards they can be used in conjunction with embossing powders.
Screen		A frame with a fine mesh covering it.	Repeat pattern		A design for decorating a surface composed of a number of elements (motifs) arranged in a regular or formal manner.
Squeegee		A wooden block with a rubber blade, used to squeeze the ink through the screen.	Digital printing		The process of printing computer-based images directly onto a variety of media substrates. There is no need for a printing plate, unlike with offset lithography.
Substrate		The material that is being printed on.	Sublimation		Using heat and pressure to apply images to a variety of substrates. In school it is used for the application of designs to mugs, t-shirts and acrylic.
Stencil		Usually cut out of card or acetate by hand with a craft knife. Alternatively cut using CAD/CAM. It is put beneath the screen.	CMYK		Known as the process colours. They are Cyan, Magenta, Yellow and Black/Key. Anything digitally printed in colour is made up of a mixture of these colours.
Craft knife		These have retractable blades and a safety cover for when not in use. Good for paper and card. Always use a cutting mat underneath to protect the work surface.	Batik		A fabric printed by an Indonesian method of hand-printing textiles by coating the parts not to be dyed with wax.
Block printing		These have a raised design which can be made on wood or rubber by cutting away the background, or by sticking card or string to a block. The result is a mirror image of the design.	Fairtrade		A term for an arrangement designed to help producers in developing countries achieve sustainable and equitable trade relationships. It combines the payment of higher prices to exporters with improved social and environmental standards.
Indian woodblocks		A technique used for printing images, texts and patterns. It is widely used throughout East Asia, but Jaipur is one of the most famous cities known for this printing method.	Fast Fashion		Inexpensive clothing produced rapidly by mass market retailers in response to the latest trends.

