# Get Into Textiles – Dyeing And Printing

**ABC ME screening details: Monday** 1st June, 2020 at 1:50pm

This episode can also be viewed on [ABC iView](https://iview.abc.net.au/show/get-into-textiles/series/1/video/ZX9412A005S00) after the scheduled screening time.

**Key learning areas:** textiles technology

**Level:** secondary

**About:** This resource provides clear explanations and footage of: dye recipes being developed and tested in the laboratory; industrial printing methods including flat-bed, carousel and roller screen-printing.

## Before the episode

1. List a range of different patterned fabrics in your home. This could include clothing, tea towels, upholstery and curtains. What method do you think was used to create the pattern?

## During the episode

1. The process of screen printing has remained the same for hundreds of years. Outline the process of screen printing. How has the process been modified to speed up printing for mass production?
2. The episode explores the method of heat transfer printing. Outline the process, advantages and limitations of sublimation printing
3. How do manufacturers match colours during the dyeing process? What data do they collect to inform their process?
4. The episode outlines the manufactures quality control checks on fabric samples. Name the quality control tests conducted and outline how they are performed.
5. The episode identifies the environmental challenges of dyeing and printing textiles. How are waste products (the dyed water) treated at the dye plant before being sent to the local sewage treatment facility? Why is it important that the manufacturer treats their own waste?

## After the episode

1. Go back to the fabrics you identified in your home before the program. From the information in the program, select one item that has been printed using one of the methods described. Justify why that method has been used for that item.

**Follow-up activity:** Design and cut out a two colour stencil/s that could be used to screen print a design onto a t-shirt.

# NSW teacher notes

This is an optional standalone resource that could supplement student learning. The activities align with syllabus outcomes across stages and can be modified to meet the needs of your students. Students can complete the activities while learning at home and in the classroom. All activities can be completed without access to the internet or a device. Teachers could collect student work to offer feedback and as evidence of learning.

## Learning intentions

* To gain an understanding of the process and issues associated with dyeing and printing textile items

## Resources

* Paper
* Scissors

## Textiles technology 7-10 Syllabus outcomes

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| Objectives | Stage 4 | Stage 5 |
| knowledge and understanding of, and skills in design for a range of textile applications | describes the creative process of design used in the work of textile designers (TEX4-3) | explains the creative process of design used in the work of textile designers(TEX5-3) |
| knowledge and understanding of, and skills in design for a range of textile applications | uses methods of colouration and decoration of textile items (TEX4-5) | investigates and applies methods of colouration and decoration for a range of textile items (TEX5-5) |
| knowledge and understanding of the significant role of textiles for the individual consumer and for society | identifies factors affecting consumer demand, selection and use of textiles(TEX4-7) | evaluates the impact of textiles production and use on the individual consumer and society (TEX5-7) |

[Textiles technology 7-10 syllabus](https://educationstandards.nsw.edu.au/wps/portal/nesa/k-10/learning-areas/technologies/textiles-technology-2019) © NSW Education Standards Authority (NESA) for and on behalf of the Crown in right of the State of New South Wales 2019.