# Get into Textiles – Mass Production

**ABC ME screening details: Monday** 25th May, 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)

**Key learning areas:** textiles technology, design and technology

**Level:** secondary

**About:** This resource provides numerous examples of commercial production methods and systems, including job, batch, quantity/mass production and JIT. It includes examples of both hand and digitized pattern laying.

## Before the episode

1. Look at the tags on 5 pieces of your clothing and identify where each item was manufactured. List the origin of each item below.

## During the episode

1. The episode showed a computerised pattern design process. Outline the benefits of using CAD pattern design over traditional handmade methods.
2. The episode highlights the Quality control process. Outline the quality control system and identify where control points are identified.
3. The episode outlines several pieces of machinery used during the mass production of garments. Complete the table below by explaining what each machine does.

|  |  |
| --- | --- |
| Machine | Explanation |
| Industrial sewing machine |  |
| Overlocker |  |
| Twin needle machine |  |
| Buttonhole machine |  |
| Specialist machines |  |

1. Robust machinery, highly skilled workers and effective management systems combine to make production incredibly efficient. In the table below, compare the two different garment assembly methods mentioned in the episode.

|  |  |  |  |
| --- | --- | --- | --- |
| Production type | Description | Advantages | Disadvantages |
| Batch production |  |  |  |
| Job production |  |  |  |

## After the episode

1. How can consumer pressure improve working conditions in international factories?

**Follow-up activity:** Describe an item of your own clothing. Outline the control points that would be inspected during a quality control process on that garment.

# 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 production methods used to mass produce textile items

## Resources

* Students own clothes (looking at the tags)

## Textiles technology 7-10 Syllabus outcomes

|  |  |  |
| --- | --- | --- |
| 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 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) |

## Design and technology 7-10 Syllabus outcomes

|  |  |  |
| --- | --- | --- |
| Objectives | Stage 4 | Stage 5 |
| knowledge and understanding of design concepts and processes | identifies and describes a range of design concepts and processes (DT4-1) | analyses and applies a range of design concepts and processes (DT5-1) |
| knowledge and understanding of the work of designers and the issues and trends that influence their work | describes the work and responsibilities of designers and the factors affecting their work (DT4-4) | analyses the work and responsibilities of designers and the factors affecting their work (DT5-4) |

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