

Design and technology - Understanding fibres and fabrics

The impact of fashion



OAK
NATIONAL
ACADEMY

Please either go through this PowerPoint or click on the link below to watch the video that talks you through the PowerPoint.

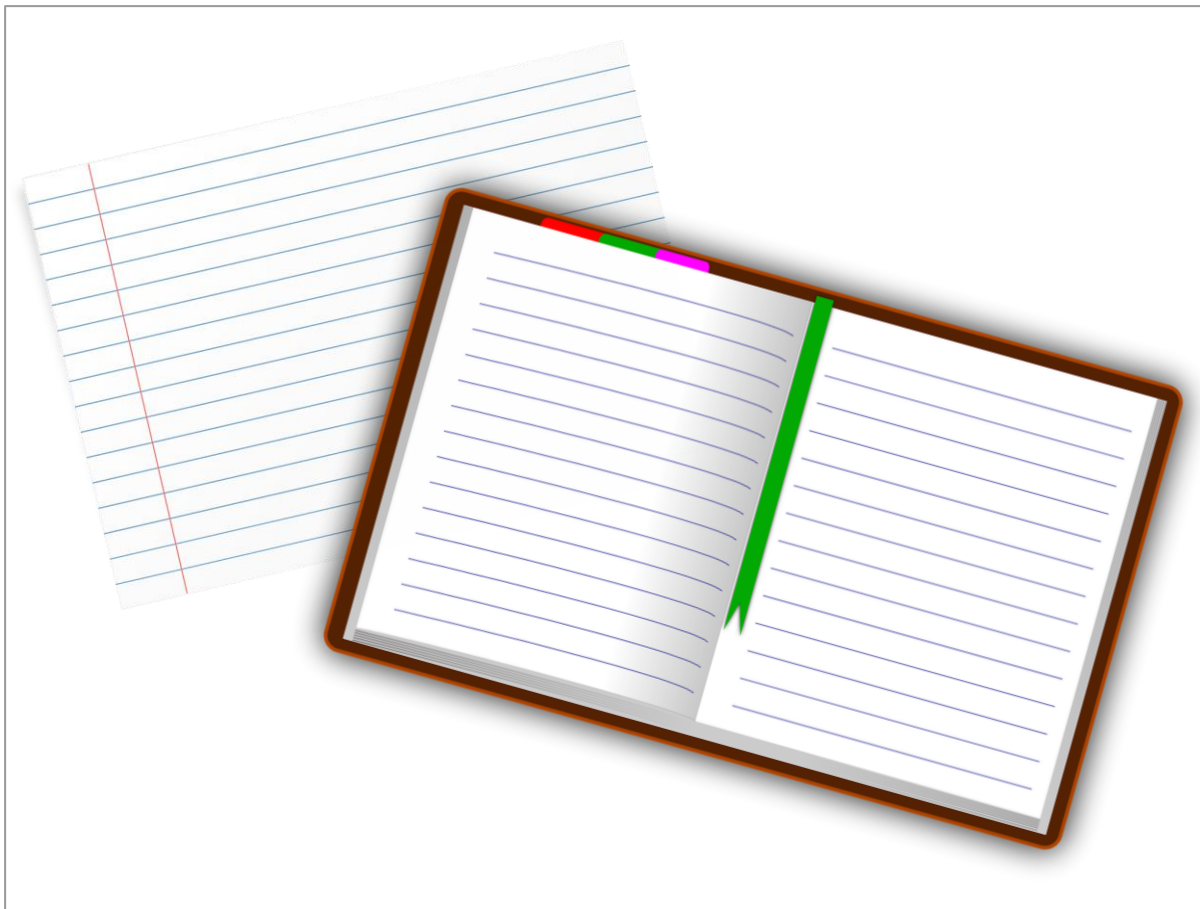
[The impact of fashion \(thenational.academy\)](https://www.thenational.academy/)



In this lesson, you will need:

Allow space in the corner for your webcam video

Exercise book or paper



Pen



Pencil



Credit: Pixabay



Keywords

Fashion means the popular or the latest style in clothing.

Material is the substance that goes into making a fabric such as cotton or bamboo.

Environment is the natural world in which we live.



What we will explore in today's lesson ...

Allow space in the corner for your webcam video

Fast fashion



Impact of fashion on the world



Sustainability



Recognising your role



*Allow space in the
corner for your
webcam video*

Fast fashion



Fast fashion

"Fast fashion" is a buzzword used by fashion retailers.

It is used to describe inexpensive designs that quickly move from the catwalk to stores to meet new trends.

The result of this trend is we see retailers introduce new fashion lines much quicker than seasonally.

How many fashion seasons should there be?

Winter

Spring

Summer

Autumn

Credit: Pixabay



Fast fashion

Fast fashion introduces new fashion lines much quicker than the typical four seasons.

How many fashion seasons do you think there could be now?

8

12

52

133

365

That's right! 52 'micro-seasons'.

How many clothing items do you think are made each year globally?

Credit: Pixabay



Fast fashion

More than 100 billion items of clothing are made around the world each year!

The world has about 7.7 billion people.

Maths question: How many new items of clothing are made for each person each year?

{100000000000¹³/ 77000000000}

Credit: Pixabay



Fast fashion

12.98

That works out to 13 items.

But people sometimes buy so much more than just 13 items a year.

How many new items do you think you've had in the last year?



Credit: Pixabay





Pause the video to complete your task

How many items of clothing do you own?

Count all the items of clothing in your bedroom. Complete the table and answer the first question underneath.



Resume once you're finished



Fast fashion

Check your clothing. Count how much of each item you have. Some people may have additional cultural clothing, or maybe you want to add your bags or caps perhaps? Count what you have and then total it all up! Are you surprised?

Item	Amount	Item	Amount
Socks (pairs)		Trousers	
Underwear		Joggers/ Leggings	
Vest/ Tank tops		Hoodies	
Tee shirts			
Coats/ Jackets			
Jeans		Total	



The impact on the world



The impact on the world

Do you ever think about the journey of your clothing?

List as many people that you can think may be involved.



Cotton picked in America



Fabrics made in Cuba



Garments made and designed in England



Shipped and sold throughout Europe



The impact on the world

Allow space in the corner for your webcam video

Did you list any of these people?

fibre farmers

drivers and couriers

retail assistants

designers

pilots

warehouse workers

fabric spinners

sailors

factory workers

dockers

sewists

tailors



Fashion - the damage and pollution

Let's briefly look at how fashion can pollute our world.

Allow space in the corner for your webcam video

Land

- Globally 350,000 tonnes of used clothing goes to landfills.

Air

- Think about how much fossil fuel is used to transport materials and garments around the globe.

Water

- In parts of the world, unregulated textile factories dump chemicals and polluted liquid into rivers and streams.

Ethical issues

- Some fashion items use animal skins and fibres. Wrongly, they have been hunted and killed. Animal cruelty is not acceptable.





Pause the video to complete your task

What is the impact of your favourite clothing item?

What journey has your favourite item of clothing had from beginning to your room? Can you identify the impact it has on the environment?



Resume once you're finished







Pause the video to complete your task

How do textiles improve our daily lives?

Complete the brainstorm - identify as many areas and items where textiles and materials improve our life. Some ideas have been given to start you off.



Resume once you're finished



Allow space in the corner for your webcam video

Sustainable fashion is called slow fashion.

True

False

It's **true**! **Slow fashion** and **sustainability** is about designing, making and buying garments with a better **quality** and **longevity**.



Sustainable fashion



Sustainable fashion

To put it simply, **slow fashion** is a direct response to fast fashion. Slow fashion can be called:

- Ethical fashion
- Eco fashion
- Green fashion

What does this mean to you? Write down some ideas

- Chooses **quality over quantity**
 - Natural and organic
- Buying from charity shops
 - **Handmake/ upcycle** clothing
- Fixing damaged clothes
 - Supports **local** makers
- **Reduce** carbon footprint
- **Recycle** clothing
- Promotes **safe working environments & fair wages**
- **Slower** production scales



Sustainable fashion

Bamboo is a sustainable source for fibres.

Bamboo fibres are fantastic for clothing. They have hollow fibres giving it breathing capabilities. The fibre is filled with micro holes which allow for better moisture absorption and ventilation than some other fibres.

What makes bamboo sustainable?

- **Fast** growing grass - 3 months instead of 30 years.
- Bamboo needs **no fertiliser** or **pesticides** to grow.
- Bamboo **self regenerates** from its roots, so it doesn't need to be replanted.
- Bamboo is much **less costly** to produce and products are biodegradable.



Credit: Pixabay

How can we make a change?



How can we make a change?

1. **Recycle** your clothing.
2. You can get most clothes **repaired**.
3. Find another family to **hand-down clothes** that no longer fit you.
4. **Upcycle** clothing or textile items.
5. **Refuse** to buy new clothes or **reduce** the amount of new things we buy - shop at **second-hand stores**.
6. **Support** brands that make and promote **sustainable choices**.
7. Buy products that are made from **organic cotton**.

Credit: Pixabay





Pause the video to complete your task

**Demonstrate how you could improve
your fashion footprint.**

**Identify which clothing you do not wear,
what you could do with it to help our
world and how textile development can
improve our daily lives.**



Resume once you're finished



Worksheets

Which items do you hardly or never wear?

List the reasons why.

Suggest what are you going to do with this item of clothing. How will this have a positive impact?

☐

☐

Write your own understanding of the terms 'Fast fashion'

... and 'Slow fashion'

How can textile development improve the daily life or products for the Doctors & Nurses?

... Pets

... Teachers

