

Academic Transition Activities

Look at the following sentences:

Line fishing means that the supply of fish is sustainable.

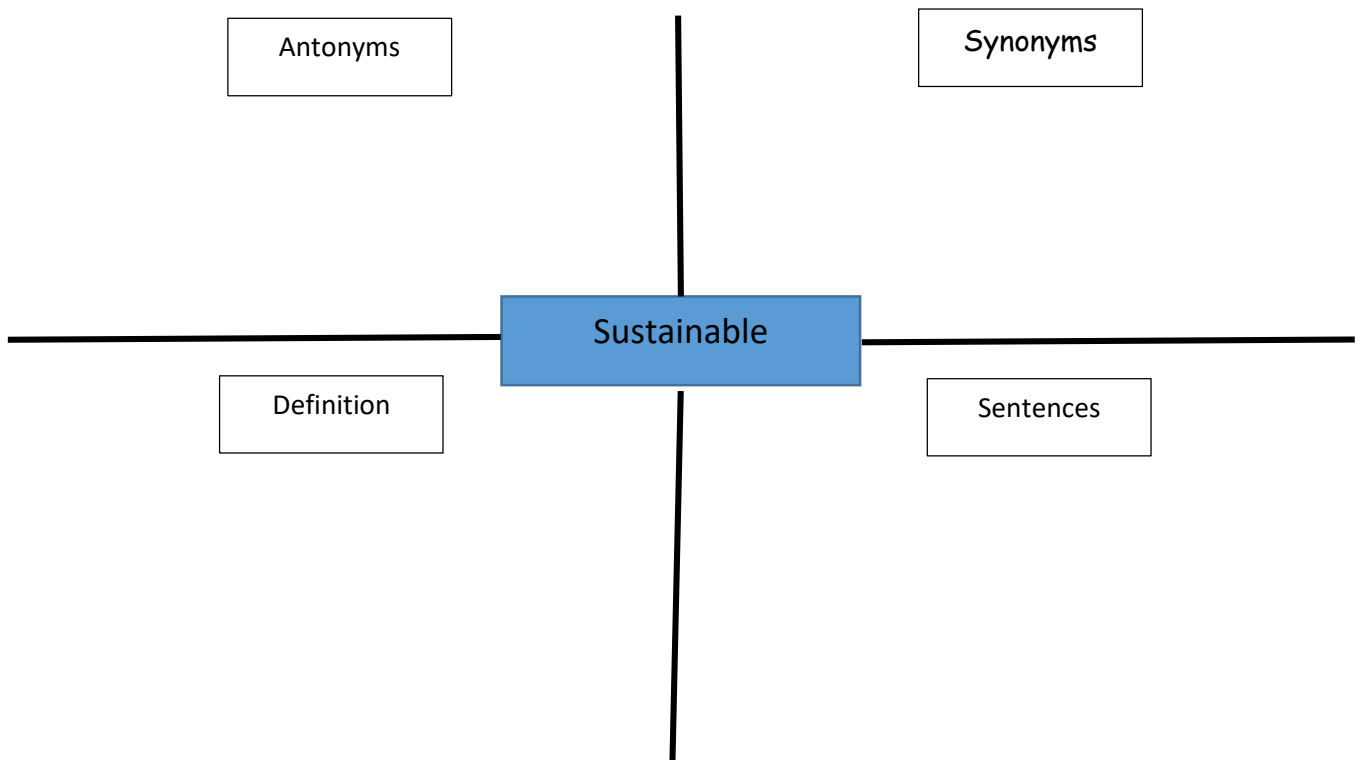
Sustainability is a key part of environmental studies..

Some materials are more sustainable than others.

From how the word sustainable is used in each sentence, can you work out what the word means and write a definition for the word **sustainable**.

Sustainable means _____

Now check on slide 1 of the PowerPoint and see if you need to change or develop your definition. Then complete the following table.



Go and have a look at the labels in some of your clothes. Find an item of clothing that is made from 100% cotton and one item that is 100% polyester.

Feel the textures carefully and complete the following table for each one. Try and include at least three different adjectives for each heading.

What does it look like?	What does it feel like?	What does it sound like?

If you are struggling, look at slide two of the PowerPoint for ideas.

Carbon Footprint

The carbon footprint refers to the amount of energy that is used to make and transport items.

Where do you think each of the garments you have used were made?

Now look on the label again and find which country each garment was made in.

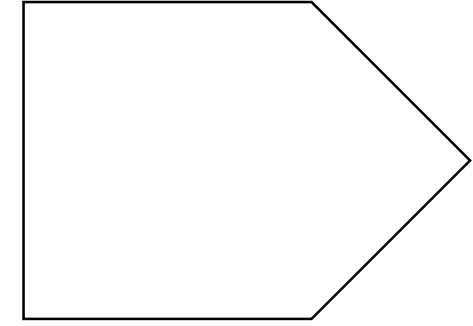
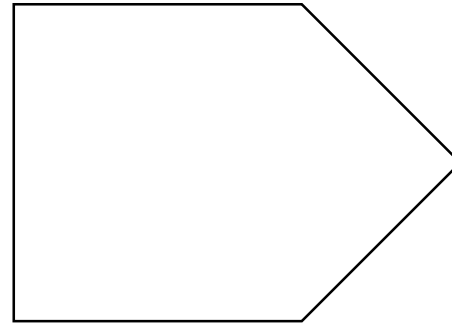
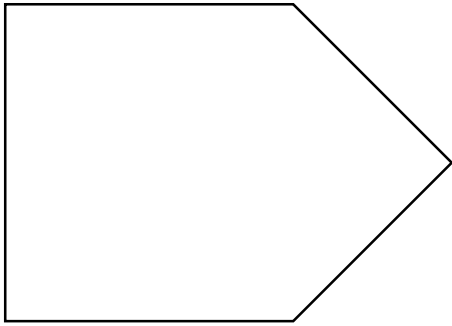
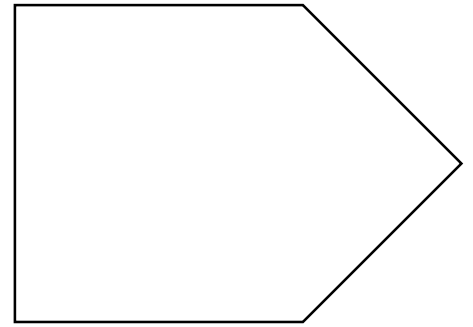
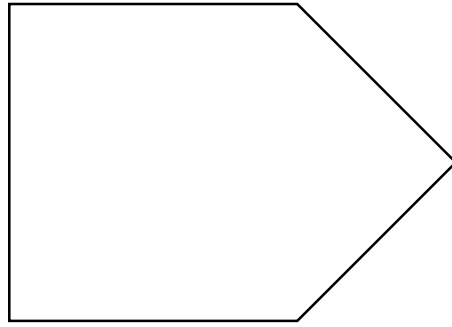
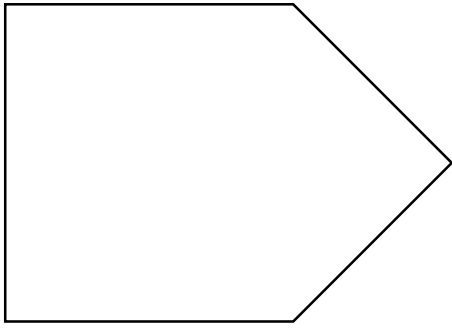
Use the internet or the table on slide 3 of the PowerPoint and make a note of how far the items of clothing travelled.

Item _____ Distance _____

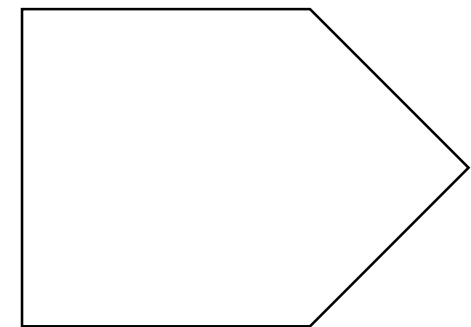
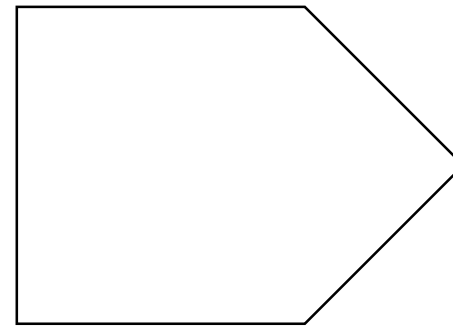
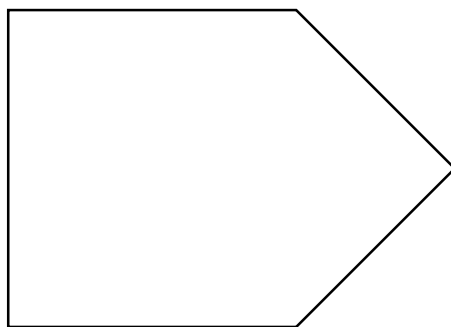
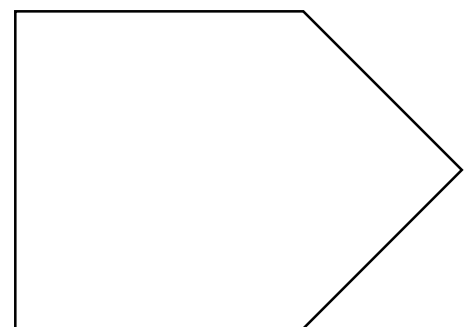
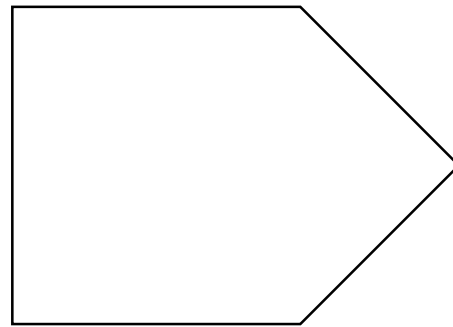
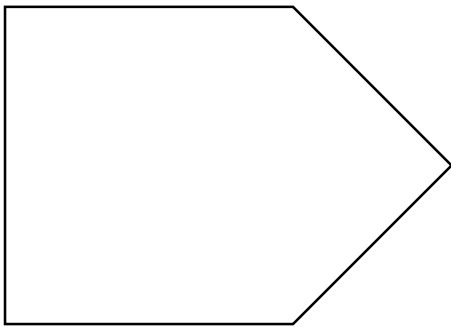
Item _____ Distance _____

Are you surprised? If so, why? Explain in as much detail as possible.

Look at the cotton fact sheet and the clip using the link on slide 4 of the PowerPoint. Then create a flow chart that explains where it comes from and how it is turned into fabric.



Now do the same for polyester - the clip to help you is on slide 5 of the PowerPoint presentation.



Optional Extras: Research how linen is made and create a 6 box flow chart to show how it is made. Or, if you prefer, create your own fact sheet.

Make a list of as many natural and man-made fabrics as you can think of or find out about.

Core Tasks

Which material, cotton or polyester, has the biggest carbon footprint?

How do you know this?

Think about your own clothes. Are more of them made out of cotton, polyester or other materials? Check the labels and fill in the table.

Garment	Material
T-shirts	
Sweat pants	
Jumpers	
Sweat tops and hoodies	
Football shirts	
Jeans	
Shirts	

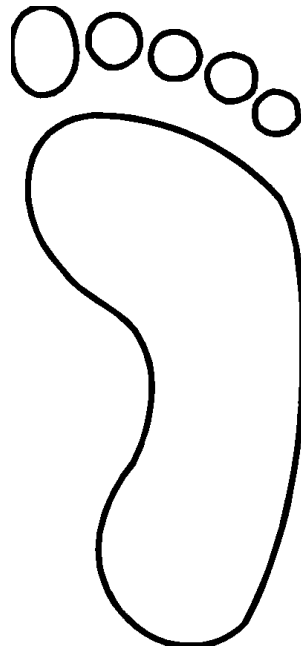
Comparing Task

Make a list of as many points of comparison as you can think of between cotton and polyester.

For example: one is a natural fibre and one is a man-made material.

What about similarities? Make a note of as many similarities as you can think of.

Now answer the question: How big is your carbon footprint? Shade the outline as if it were a thermometer to show how high the carbon footprint of your wardrobe is.



Pledge

Reducing our carbon foot print is one way that we can all live more sustainably. Draw around your bare foot and, inside the outline, write a sustainability pledge (something you will promise to try to do). You could consider what clothes you choose and how you are planning to travel to your new secondary school - could you walk or cycle?

