

Going Green with Eco-spa

Science lesson 4

Learning aim: To evaluate information and data to draw conclusions, present findings and develop an appreciation of sustainability.



Creativity step 6 – I use creativity in the context of work.



Listening step 5 – I listen to others and record important information as I do.


Scenario

You are the Head of Product at a large supermarket. You have been asked to do a presentation to the Sustainability Lead explaining which packaging material would be the best fit for your new luxury eco-spa toiletries range, and why. The range includes a handwash, soap and body lotion aimed at customers who are keen to use environmentally friendly products but can still buy the products at low cost.



Scenario continued


In a group, you need to identify the pros and cons of the packaging you are analysing for both the customer and the environment. (You will be allocated to either glass, plastic or compostable packaging.) You are then going to present a pitch for your product to the Sustainability Lead. The whole group will then vote on which material to select for eco-spa toiletries.



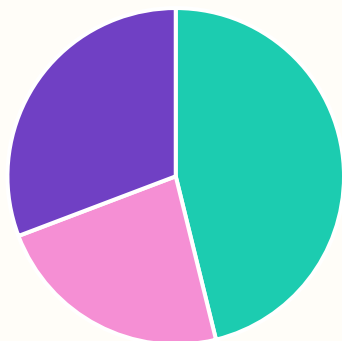
Scenario continued

Use all the information provided (which includes general information and data presented as graphs) to help inform your decision and pitch.

You need to think about:

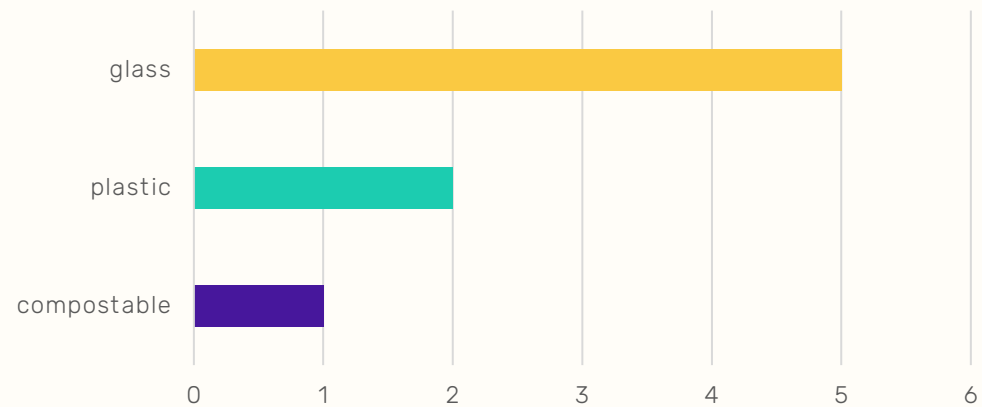
1. Advantages to the environment.
 2. Disadvantages to the environment.
 3. Cost of transporting the packaging.
 4. Cost of making the packaging.
 5. Carbon footprint left by the packaging (CO₂ emissions).
 6. How attractive the packaging looks.
 7. How easy it is to make the packaging.
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CO₂ emissions/per kg

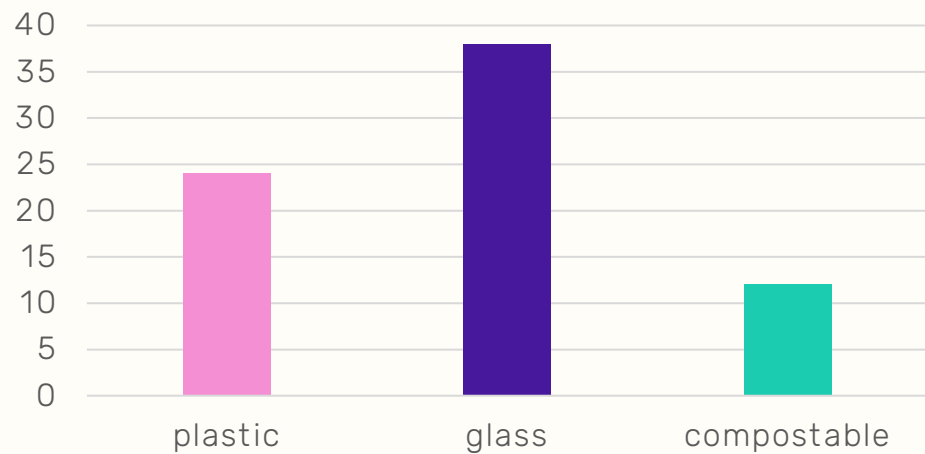


■ glass ■ plastic ■ compostable

Cost to transport £/tonne



Cost to make £/tonne



Reflection part 1

1 – Write down three things you have learnt about the impact our three materials have on the environment.

Reflection part 2

2 – How well do you think you listened to others today? Rate yourself from 1-5. (1 – I can't remember what other people contributed – 5 – I was actively listening to my classmates and made note of important information and ideas they shared.)

3 – Write down one great contribution someone in the class made today. Get ready to share it with them.