

Environmental Science Gap task

Hi all, welcome!

This is your gap task for you to complete before you start Environmental Science in September.

1. We would like you to select ONE podcast and ONE article on a topic or idea you are passionate about, ideas are linked below. Make a note of what you read/listen to and produce a summary of what you have learnt, ready to share in your first lesson.
2. Watch the BBC program and answer the questions. Bring your answers to your first class.

If you have any questions or queries the email addresses of the staff are at the end.

**Podcasts**

Choose a podcast from either of these BBC series, suggestions are below:

**From the BBC’s ‘Costing the Earth’ series**

Water pollution solutions : <https://www.bbc.co.uk/programmes/m001l97c>

Prawn free : <https://www.bbc.co.uk/programmes/m001jsl0>

Surrendering to the waves: <https://www.bbc.co.uk/programmes/m001jktn>

Wild highway: <https://www.bbc.co.uk/programmes/m001c6nn>

Carbon farming: <https://www.bbc.co.uk/programmes/m00154b2>

Landfill legacy: <https://www.bbc.co.uk/programmes/m000v7q1>

**From the BBC’s ‘Inside Science’**

Antarctica Ice special : <https://www.bbc.co.uk/programmes/m001jc94>

Toward net zero : <https://www.bbc.co.uk/programmes/m001h4cq>

Climate science and politics : <https://www.bbc.co.uk/programmes/m001f4xz>

Killer Smog : <https://www.bbc.co.uk/programmes/m001fmtb>

Fracking science : <https://www.bbc.co.uk/programmes/m001cf2d>

There are lots and lots more podcasts from these series and beyond and we recommend that you listen to those suggested by your teachers or ones that look interesting to you. Don’t be shy in telling us what you’ve learnt!

**Articles**

1. Artic Sea Ice - <https://www.nytimes.com/2023/06/06/climate/arctic-sea-ice-melting.html>
2. El Nino 2023 - <https://www.vox.com/climate/23738846/el-nino-2023-weather-heat-wave-climate-change-disaster-flood-rain>
3. Tipping Points - <https://www.theguardian.com/environment/2022/sep/08/world-on-brink-five-climate-tipping-points-study-finds>
4. Comparing countries and meeting greenhouse gas emission targets - <https://www.bbc.co.uk/news/science-environment-65754296>
5. Trees in the UK - <https://www.ft.com/content/8bc0b940-7539-4c5a-ad9b-24798808ac2b>
6. Solutions for plastic pollution - <https://www.bbc.co.uk/newsround/65542646> and <https://www.bbc.co.uk/newsround/64860687>
7. Why is plastic a problem - <https://www.bbc.co.uk/newsround/42810179>
8. Wind power in the UK - <https://www.bbc.co.uk/news/science-environment-65557469>
9. Car Batteries - <https://www.washingtonpost.com/world/interactive/2023/electric-car-batteries-geography/>
10. UK policies on reaching net zero - <https://commonslibrary.parliament.uk/research-briefings/cdp-2023-0124/>
11. For further reading - <https://www.bbc.co.uk/news/science-environment-56837908>

**BBC Wild Isles**

**Saving our wild isles**

Please watch this special documentary ‘saving our wild isles’ on BBC i-player and answer the questions below.

It is the last special episode that is found under the ‘extras’ tab.

<https://www.bbc.co.uk/iplayer/episode/p0fd45w7/wild-isles-saving-our-wild-isles>

1. What % of mammal species are at risk in the UK? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What % of bird species are at risk in the UK? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What % have flying insects declined by in the last 20 years in the UK? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Describe some of the main threats to the Curlew

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1. Explain the methods used by Neil at Hilltop farm to increase the Biodiversity on the farm

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1. Explain the methods used by the Barkers to improve the soil and biodiversity on their farm

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1. What is the main diet of puffins?

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1. Describe how 95% of scallops are caught

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1. What is bycatch?

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1. How can scallops be collected sustainably?

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1. What is a ‘No take Zone’ and how has it helped people and wildlife on Lundy island?

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1. What species is being replanted in North Wales, and captures carbon 35 time quicker than tropical rainforests?

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1. The Cairngorms restoration project is the largest in the UK. Why is it important for wildlife to control the population of deer?

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1. Cody dock is an urban site that has been restored to benefit wildlife and people. How many different species have been recorded at Cody dock?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_