

Climate and environment

The Climate and environment route: 7 stops
Teacher sheet

Goal. Students see climate change and environmental damage as things happening to named places and people now, and learn what is already being done.

AGES

15 and up (younger with the 12 to 14 sheet)

FITS

Geography, science, biology

TIME

45 minutes, one period

You need. Projector with the site. After the main walk, choose Climate and environment from Fly another route, or use the link in the footer. Worksheet per student.

The lesson

5 min

Guess

Ask the class to name a place where climate change is happening right now. Write the list. Then show the seven stops and compare.

15 min

Walk

Fly the route: Ilulissat, Jakarta, Jacobabad, Cape Town, Great Barrier Reef, Manila Bay, Kruger National Park. At each stop read the number, one paragraph and What's working. With a short period, pick three stops.

10 min

Meet

Choose one person on the route. One student reads their story, another reads 'what they would tell you'. Ask what they would want this class to do.

10 min

Move

Worksheet. Then each student writes one move with a date, using the organisation named at a stop.

5 min

What's working

Reread only the What's working paragraphs. Ask: which of these could we copy here?

Questions for the room

1. Greenland is losing ice and Jakarta is sinking. Which is a climate problem and which is a local one? Does it matter?
2. Cape Town avoided Day Zero. What did people there do differently from what we do?
3. Rhino poaching fell 78% where rhinos were dehorned. Is that a success or a sad solution?

Answers and sources

Key figures: Greenland ice loss has raised global seas by about 1.5 cm since 2002 (Polar Portal, NOAA). Jakarta sinks about 3.5 cm a year (BRIN). Jacobabad has recorded wet-bulb 35°C, the limit of human survival (Science Advances, 2020). Cape Town halved water use to 50 litres a person a day in 2018. 74% of Great Barrier Reef reefs surveyed bleached in 2024 (AIMS). The Pasig river carries 63,000 tonnes of plastic a year (Science Advances, 2021). Dehorning cut rhino poaching 78% (Science, 2025). Every figure and its source is shown on the site at the stop.

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Name _____

Class _____

Date _____

The stops

Place	Problem	The number
Ilulissat, Greenland	Ice	
Jakarta, Indonesia	Sinking	
Jacobabad, Pakistan	Heat	
Cape Town, South Africa	Water	
Great Barrier Reef, Australia	Coral	
Manila Bay, Philippines	Plastic	
Kruger National Park, South Africa	Poaching	

Which stop is closest to home for us, and why

The person I remember, and what they told us

One thing that is working

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Name _____

Class _____

Date _____

The stops

Place	Problem	The number	What is working
Ilulissat, Greenland	Ice		
Jakarta, Indonesia	Sinking		
Jacobabad, Pakistan	Heat		
Cape Town, South Africa	Water		
Great Barrier Reef, Australia	Coral		
Manila Bay, Philippines	Plastic		
Kruger National Park, South Africa	Poaching		

Pick two stops. One is mainly about climate, one mainly about how people use land or water. Explain the difference, and where they overlap.

Cape Town is the one city on the route that solved its problem, for now. List three things it did and judge whether our town could do them.
