



Environmental Science Bridging Work

Transition Activity 1: Exploring Biodiversity and Conservation

"Protecting Biodiversity: What's the Global Commitment and What Can We Do?"

Start by reading this article: <https://www.unesco.org/en/biodiversity/commitment?hub=405>

As you read, answer the following:

- Why is biodiversity important to UNESCO?
- What are some global challenges to biodiversity?
- How does UNESCO involve young people in conservation?
- One key idea from the UNESCO article
- One example of a biodiversity issue (local or global)
- One action young people can take to protect biodiversity

Then: Research a UNESCO World Heritage Site known for its biodiversity (e.g., Galápagos Islands, Sundarbans, Great Barrier Reef). Create a short profile:

- Where is it?
- What makes it special?
- What threats does it face?
- How is it being protected?

Transition Activity 2: Discovering the Physical Environment

"How Do Natural Systems Shape Our World?"

Create a short poster, PowerPoint presentation or fact file that answers the following questions:

- What are abiotic (non-living) factors in the environment?
 - Pick 2–3 (e.g., sunlight, water, soil) and explain why they matter.
- How do humans affect these natural systems?
 - Choose one example (e.g., pollution, deforestation, climate change).
- Case Study 1: The Aral Sea
 - What happened to the Aral Sea?
 - Why did it shrink?
 - What were the consequences?
- Case Study 2: The Loess Plateau (China)
 - What environmental problems did it face?
 - What did people do to fix it?
 - Was it successful?