

GRADE 4 LEARNING PACK

Biodiversity, Resources & Environmental Decisions

Use evidence to examine biodiversity, resource use and realistic environmental actions without oversimplifying complex problems.

LEARN • PRACTISE • CREATE • REFLECT

Original BrightPencil Kids resource - adult-led where appropriate

A4 edition • 12 purposeful pages • review copy

Print. Learn. Grow.

Grown-up guide

Learning objective

Use evidence to examine biodiversity, resource use and realistic environmental actions without oversimplifying complex problems.

Use this pack well

- Model the first example aloud, then let the learner try.
- Ask “How do you know?” more often than “Are you finished?”.
- Use real objects, talk, movement or observation when the activity suggests it.
- Stop or shorten the session if attention or enjoyment drops.
- Open-ended pages can have many successful answers.

Quality note

This resource was written originally for BrightPencil Kids. Curriculum sources informed scope and progression only; no third-party worksheet or story text is reproduced.

Learn the idea

1 Biodiversity includes variety of living things and relationships in ecosystems.

2 Resources such as water, materials and energy are used by people and ecosystems.

3 Environmental choices can involve trade-offs and often require community-level action.

Talk about it

Explain one idea in your own words. Give an example from real life, a drawing or an object if that helps.

Compare two habitat surveys and identify a change in recorded species variety.

Distinguish renewable from non-renewable resource examples at an introductory level.

Evaluate three waste-reduction actions by likely impact and practicality.

Explain why one short observation cannot prove a long-term environmental trend.

Design a measurable local action such as reducing litter or monitoring water use.

Try it beyond the page

Real-world / hands-on connection

With an adult, carry out a small non-invasive biodiversity count or resource-use observation and record date/location broadly without private details.

Before you finish

What did you notice?

What evidence, object or example helped you?

What would you change if you tried again?

Create something

Your project

Create an evidence-action-review project card for one local environmental improvement.

Use this space for planning, drawing, mapping, designing or notes.

CHALLENGE

Think deeper

1. What does biodiversity mean?

2. Why measure before and after an environmental action?

3. Can one person solve every environmental issue alone?

Quick review

1. In one sentence, explain the big idea of “Biodiversity, Resources & Environmental Decisions”.

2. Draw or write one example that shows you understand.

3. Choose one activity from this pack and explain the strategy you used.

4. Write one question you still have.

Answer & discussion notes

Use these as guidance, not scripts. Open questions can have different successful responses when the reasoning is sensible and evidence-based.

1. Suggested response

Variety of living things and ecological relationships in an area or system.

2. Suggested response

To check whether the action made a difference.

3. Suggested response

No.

Review before publication

Check age fit, factual accuracy, clarity, accessibility, rights provenance and whether the activity works in practice. This file remains a review copy until those checks are signed off.

FINISH

My learning reflection

I finished this BrightPencil learning pack.

One thing I understand better now:

A strategy that helped me:

Something I created or noticed:

My next small question or goal:

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