

GRADE 4 LEARNING PACK

Time Zones & Global Connections

Use simple time-zone differences to reason about communication and understand that local times differ around the world.

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 simple time-zone differences to reason about communication and understand that local times differ around the world.

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 Earth's rotation helps explain why local time differs across longitudes.

2 Time-zone boundaries are human conventions and are not perfectly straight.

3 Planning across time zones requires checking the specific date/location because seasonal clock changes vary.

Talk about it

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

Use fictional UTC offsets to convert five whole-hour times.

Find a meeting time that is reasonable for two fictional cities.

Explain why “same moment” can have different clock times.

Identify why a static worksheet should avoid promising current seasonal offsets.

Create a two-city schedule using provided fixed offsets.

Try it beyond the page

Real-world / hands-on connection

With an adult, use a trusted current time tool to compare two cities and note that real offsets can change seasonally.

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

Design a fictional international project timetable using fixed offsets printed on the page.

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

CHALLENGE

Think deeper

1. Can two places show different clock times at the same moment?

2. Why should live travel planning check current offsets?

3. What does UTC offset describe?

Quick review

1. In one sentence, explain the big idea of “Time Zones & Global Connections”.

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

Yes.

2. Suggested response

Some places change clocks seasonally and rules can change.

3. Suggested response

How local civil time differs from UTC in the given convention.

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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