inquisitive

GRADE 3 · EARTH AND SPACE SCIENCES · FAST PATH

Unit: Weather and Climate

Lessons in unit: 4 · 14 days · 390 min total · Sessions up to 30 min · ↳ Time-saving teaching move · ★ Checkpoint

1. Weather Watching

PHENOMENON QUESTION
What can weather maps tell us?

OUTCOME
I can describe different types of weather.

TIME
4 days · 20–30 min per day
110 min total

DAY 1 · 30 MIN

- 10 MIN — Activity 1
- 10 MIN — Activity 2
- 10 MIN — Activity 3

DAY 2 · 30 MIN

- 15 MIN — Activity 4
  ↳ Record students' video facts and weather ideas on one class chart instead of sticky notes and notebook lists.
- 15 MIN — Activity 5

DAY 3 · 30 MIN

- 10 MIN — Activity 6
- 20 MIN — Activity 7

DAY 4 · 20 MIN

- 15 MIN — Activity 8 ★
- 5 MIN — Activity 11

2. Weather Patterns and Predictions

PHENOMENON QUESTION
Why do you need to know about the weather?

OUTCOME
I can use patterns in weather data to make decisions.

TIME
3 days · 30 min per day
90 min total

DAY 5 · 30 MIN

- 10 MIN — Activity 1
- 20 MIN — Activity 2

DAY 6 · 30 MIN

PREP Print local monthly temperature, precipitation, and wind data for each group; provide blank tables where needed.

- 5 MIN — Activity 3
  ↳ Partners explain every answer orally instead of writing notebook responses.
- 5 MIN — Activity 4
  ↳ Choose snowman building, kite flying, or swimming races; discuss predictions orally.
- 20 MIN — Activity 5 ★

DAY 7 · 30 MIN

- 10 MIN — Activity 6
  ↳ Create one class poster; groups explain their best and worst month using their own data.
- 20 MIN — Activity 7 ★

3. What's Your Climate?

PHENOMENON QUESTION
How can our mood be like the weather?

OUTCOME
I can compare two different climate regions from around the world.

TIME
4 days · 30 min per day
120 min total

DAY 8 · 30 MIN	DAY 9 · 30 MIN	DAY 10 · 30 MIN	DAY 11 · 30 MIN
10 MIN Activity 1 ↳ Use pairs instead of groups of four for the sentence starters and responses.	5 MIN Activity 4 ↳ Partners discuss both map questions together, then share one prediction per pair.	30 MIN Activity 7	15 MIN Activity 8 ★
10 MIN Activity 2 ↳ After the video, take class responses to the three questions instead of separate group discussions.	15 MIN Activity 5 ↳ Operate the interactive yourself while partners answer the matching questions together.		10 MIN Activity 9 ↳ Complete as a class: agree on an explanation and record it with words and pictures.
10 MIN Activity 3	10 MIN Activity 6 ↳ Partners explain their choices; tally a simultaneous show of hands instead of a round of presentations.		5 MIN Activity 12

4. Weatherproof!

PHENOMENON QUESTION
What can we do to prepare for extreme weather?

OUTCOME
I can share an example of extreme weather and explain a way to reduce its impact.

TIME
3 days · 20–25 min per day
70 min total
Assessment: Anchor Maps and Autogradable Summative Assessments are not included within this pacing guide.

DAY 12 · 20 MIN	DAY 13 · 25 MIN	DAY 14 · 25 MIN
10 MIN Activity 1 ↳ Record students' examples on a class list instead of individual sticky notes.	10 MIN Activity 3 ↳ Partners explain all four answers orally instead of writing them before discussion.	20 MIN Activity 5 ★
10 MIN Activity 2 ↳ Complete the mind map as a class instead of copying it into notebooks.	15 MIN Activity 4	5 MIN Activity 8