inquisitive

GRADE 2 · LIFE SCIENCES · FAST PATH

Unit: Interdependent Relationships in Ecosystems

Lessons in unit: 4 · 12 days · 30 min per day · ↳ Time-Saving Teaching move · ★ Checkpoint

1. Growing Plants

PHENOMENON QUESTION
How big can a plant be?

OUTCOME
I can show you what plants need to grow.

TIME
3 days · 30 min per day
90 min total
Spread observations across at least 1 week.

DAY 1 · 30 MIN

PREP Prepare 4 zipper bags, 4 paper towels, seeds, water and a marker per group. Label bags with the four conditions shown in Activity 4.

25 MIN — Activities 1–2: Remarkable Plants and How Plants Grow

5 MIN — Activity 4, Part 1: Collect materials

DAY 2 · 30 MIN

15 MIN — Activity 3: What Plants Need: Predictions and investigation planning
↳ Record predictions in one class plan.

5 MIN — Activity 4, Part 2: Set up four bags
↳ Use the pre-labeled bags.

5 MIN — Activity 4, Part 3: Choose locations, draw and label, and predict

5 MIN — Activity 4, Part 4: Begin observations and data table

DAY 3 · 30 MIN

SCHEDULE Observe and record seeds for at least a week between Days 2 and 3. Teach Day 3 after that week.

10 MIN — Activity 4, Part 4: Final observation and completing data

15 MIN — Activity 5: ★ Checkpoint: Plant Growth Evidence

5 MIN — Activity 8: Vocabulary

2. Animal Helpers

PHENOMENON QUESTION
How do seeds move around?

OUTCOME
I can describe how a seed can be moved by an animal.

TIME
3 days · 30 min per day
90 min total

DAY 4 · 30 MIN

5 MIN — Activity 1: Phenomenon + Seeds on the Move

5 MIN — Activity 2: How Seeds Travel

5 MIN — Activity 3: Seed Dispersal KW Chart
↳ Complete the KW chart as a class.

15 MIN — Activity 4: Seed Dispersal Methods

DAY 5 · 30 MIN

PREP Prepare group trays: hook-and-loop fastener, cotton balls, pom-poms, tape and a scarf.

10 MIN — Activity 5: Seeds Hitch a Ride

20 MIN — Activity 6: Modeling Seed Dispersal
↳ Use prepared materials trays to limit time for student decision making.

DAY 6 · 30 MIN

20 MIN — Activity 7: ★ Checkpoint: Animals Spread Seeds

8 MIN — Activity 8: What We Learned
↳ Display the class KW chart; students add one drawing and a short sentence about how seeds spread.

2 MIN — Activity 11: Vocabulary

3. Unbeelievable Bees!

PHENOMENON QUESTION
How do bees help plants?

OUTCOME
I can describe how an animal can help pollinate flowers.

TIME
3 days · 30 min per day
90 min total

DAY 7 · 30 MIN	DAY 8 · 30 MIN	DAY 9 · 30 MIN
PREP Prepare each pair's balloon, 2 plates, marker and 2 different-colored powders. Inflate balloons and mark N on each plate.	10 MIN **Activity 3: Pollination Model, Part 4: Explain results**	20 MIN **Activity 6: ★ Checkpoint: How Animals Pollinate**
10 MIN **Activities 1–2: Bees on Flowers and Bees and Pollen** ↳ Discuss both as a class; record wonder questions on one class board.	10 MIN **Activity 4: Buzzington Farm**	8 MIN **Activity 7: Answering Our Wonders**
20 MIN **Activity 3: Pollination Model, Parts 1–3: Set up, predict and trial with both flowers** ↳ Use prepared balloons and plates; skip decoration.	10 MIN **Activity 5: Other Pollinators**	2 MIN **Activity 10: Vocabulary**

4. Whose Habitat Is This?

PHENOMENON QUESTION
Where do we find living things?

OUTCOME
I can tell you about animals that live in different habitats.

TIME
3 days · 30 min per day
90 min total
Assessment: Anchor Maps and Autogradable Summative Assessments are not included within this pacing guide.

DAY 10 · 30 MIN	DAY 11 · 30 MIN	DAY 12 · 30 MIN
PREP Choose a nearby outdoor area. Have a large piece of paper and a camera ready for the class record.	20 MIN **Activities 3–5: Forest, Desert and Lake Habitats**	5 MIN **Activity 6: Identifying Habitats: Final sentence**
5 MIN Introduction: Introduce the phenomenon question Where do we find living things?	10 MIN **Activity 6: Identifying Habitats: Names and drawings** ↳ Save the final sentence for Day 12.	20 MIN **Activity 7: ★ Checkpoint: Comparing Habitats**
20 MIN **Activity 1: Habitat Observation** ↳ Use a nearby area to reduce travel time.		5 MIN **Activity 10: Vocabulary**
5 MIN **Activity 2: Exploring Habitats**		