

Students explore a nearby outdoor space such as a schoolyard, park, or natural area.

Students:

- draw living things they observe
- show ecosystem connections

Scientific Biodiversity Observation

Students record:

- species observed
- biodiversity tally
- evidence of human impacts

Reflection questions:

- How do living and non-living elements support life?
- What evidence of biodiversity do you see?
- What actions could help protect this ecosystem?

Outdoor exploration allows students to experience local biodiversity firsthand.

Learning Outcomes

By the end of this lesson, students will be able to:

- explain the meaning of biodiversity
- describe connections within ecosystems
- identify environmental impacts on species and habitats
- recognize human responsibility in environmental stewardship
- suggest actions that support biodiversity protection

Outdoor Biodiversity Field Journal

Name: _____

Draw What You Notice

Draw **three living things** you observe outdoors.

Living Thing #1	Living Thing #2	Living Thing #3

Write the names if you know them:

1. _____
2. _____
3. _____

Name: _____

Date: _____

Location: _____

Non-Living Parts of the Ecosystem

1. Rocks
2. Sunlight
3. Air (oxygen or carbon dioxide)

How do these help living things?

Name: _____

Look for Connections

Choose **one living thing you saw**.

Living Thing: _____

Explain at least **one connection to another living thing** that you noticed:

Example: Bird	I noticed that it was in a tree for shelter and eating a seed from the tree.
-------------------------	--

Signs of Biodiversity

Circle what you see around you:

Plants - flowers - trees - insects - birds - animals - fungi - water - seeds - different habitats

What makes this place biodiverse?

Stewardship Reflection

What is **one thing people could do to protect biodiversity here?**

Humans are part of nature. Our actions can help ecosystems stay healthy.

Scientific Biodiversity Observation Sheet (Data Version)

Name: _____

Part 1: Living Things Observed

Record what you observe

Species	Where did you see it?	What was it doing?

Part 2: Non-Living Elements

How do these support life?

Non Living Factor	Evidence You Observed
Sunlight	
Soil	
Water	
Temperature/ Air	

Extra comments: _____

Part 3: Biodiversity Count

Tally the types of organisms you observe.

Species	Number Seen
Plants	
Insects	
Birds	
Other Animals	
Fungi	

What does your tally tell you about biodiversity in this area?:

Part 4: Human Impact

Do you notice evidence of human activity? *Check all that apply*

- litter
- buildings
- pathways
- planted gardens
- pollution
- other: _____

How might these affect the ecosystem?

Part 5: Stewardship Action

Identify one action that could help protect biodiversity in this area.

Why would this action help?
