

Ecosystems & Food Webs Unit: Energy Flow, Succession & Human Impact

- ✓ **Ready-to-Use Ecology Lessons:** Editable slides, activities, and handouts covering energy flow, trophic levels & food webs.
- ✓ **Interactive Lab Stations**
- ✓ **Inquiry-Based Project & Assessments**



Bundle Includes

Ecosystems

- Ecosystems
- Abiotic/Biotic
- Population
- Community
- Ecosystem Recycling
- Describing Ecosystems
- Sustainability
- Human Impacts



Google Slides and PowerPoint Versions Included
[Google Classroom Ready](#)

Ecological Succession

- Ecological Succession
- Primary Succession
- Secondary Succession
- Pond Succession
- Primary vs. Secondary Succession



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[Google Classroom Ready](#)

Energy Flow In Ecosystems

- Photosynthesis
- Cellular Respiration
- Ecological Niche
- Producers & Consumers
- Herbivores, Omnivores & Carnivores
- Scavenger
- Food Chain
- Trophic Levels
- Food Webs
- Ecological Pyramids



Google Slides and PowerPoint Versions Included
[Google Classroom Ready](#)

BIODIVERSITY AND INVASIVE SPECIES Lab Station Activity

- ✓ Interactive Lab Stations
- ✓ Biodiversity and Invasive Species Review
- ✓ No-Prep Setup
- ✓ Bonus Word Activities



Human Impact on Ecosystems Assignment

Ecology Inquiry-Based Project

- ✓ Inquiry-Based Ecosystem Project
- ✓ Customizable & Device-Friendly
- ✓ Includes Rubric & Topic Choices
- ✓ Ideal for Grades 5–9



Coral Reefs and Their Future

Scientific Reading Comprehension Article



Improve your students **Scientific Literacy and Analysis Skills**, use as an **Emergency Substitute Plan** or create **Applicability** in your classroom

Teaching Timeline and Resources Outlined and Explained

Ecosystems & Food Webs: Energy Flow, Succession & Human Impact Unit – Teaching Timeline

Day	Resource	How it fits the unit
1	Ecosystems Lesson – a complete lesson with student & teacher PowerPoint versions and a printable student handout. It covers ecosystem basics: abiotic vs. biotic factors, population vs. community and sustainability.	This lesson introduces core vocabulary and concepts. The editable slides and handout give you a ready-made first day of instruction.
2	Energy Flow in Ecosystems Lesson – a 2–3-day package with a food-web assignment, Bill Nye video (with answer key), student handout and exit ticket. It covers photosynthesis and cellular respiration, producers/consumers, trophic levels, ecological pyramids and food webs.	Use this as your main energy-transfer block. Students learn how energy moves through ecosystems and build a food-web diagram. You can compress it into a single long day or stretch it over two days.
3	Day 2 of Energy Flow in Ecosystems Lesson	
4	Ecological Succession – Primary & Secondary – a lesson with teacher & student PowerPoints and a student handout. It explains primary and secondary succession and compares them.	After energy flow, students explore how ecosystems change over time. The colourful slides and structured handout make it easy to teach succession in one class period.
5	Biodiversity and Invasive Species – Lab Station Activity – seven hands-on stations where students draw, research, read short passages, watch videos and create questions about biodiversity and invasive species. Recording sheets are provided.	This station-based lab keeps students moving and applying what they've learned. It reinforces concepts from Days 1-3 while introducing human-caused ecological changes.
6	Human Impact on Ecosystems Assignment – Urban Sprawl & Pollution – inquiry-based partner project where students research real-world factors affecting local ecosystems. The editable Word document is device-friendly and includes nine topic choices and a rubric.	Research-based assignment. Students investigate urban sprawl, pollution or other human impacts on ecosystems, then present their findings. The rubric and topic list make expectations clear.
7	Day 2 of Human Impact on Ecosystems Assignment – Urban Sprawl & Pollution	
8	Coral Reefs Reading Comprehension Article – science article about coral reefs and threats to their future, with knowledge, thinking, connecting and open-ended questions and an answer key. Takes 50–75 minutes to complete and can be edited digitally.	Finish the unit with literacy integration. Students practice reading comprehension while learning how human activities and climate change affect coral-reef ecosystems. Use it as a class activity or sub-plan.

How to use this unit

- **Pacing:** The sequence fits comfortably into 7-8 class periods. If you have more time, you can stretch the energy-flow lesson over three days or assign the coral-reef reading as homework.
- **Assessment:** Use the exit ticket and food-web assignment from the Energy Flow lesson, Human Impacts Project, and Reading Questions for assessment.
- **Customization:** All resources are editable, so you can adjust slides, handouts or stations to match your curriculum or adapt for honors/AP or general-level classes.

This ecosystems & food-webs unit offers a coherent progression from foundational concepts to hands-on inquiry and real-world environmental issues, using some of the highest-earning resources from your catalog.

Who is this Bundle for?

- **Science teachers who want multiple resources at their fingertips including lessons and a variety of activities, in order to engage their students.**
- **Teachers who don't have time to develop their own resources or organize what to teach and when.**