

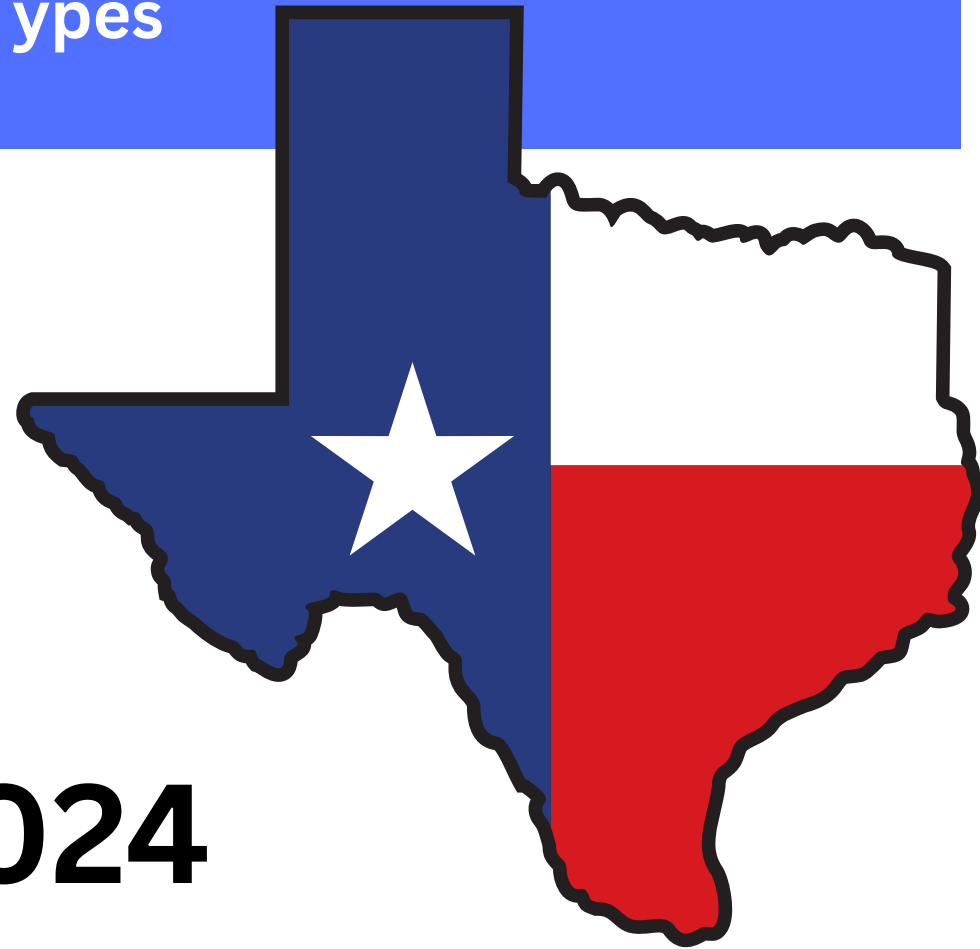
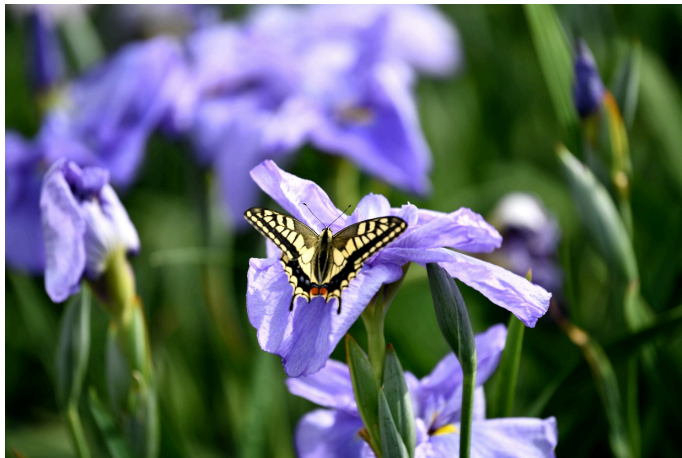
TEKS Grade 7 - S.7.12 Bundle

Organisms & Environments

✓ 7th Grade Science TEKS Curriculum Bundle - S.7.12.A, S.7.12.B

✓ Variety of Lesson and Activity Types

✓ Digital + Printable Formats



NEW 2024

Resources Included

- ✓ **Complete S.7.12 - 7th Grade Science TEKS Curriculum** | Organisms and environments. The student understands that ecosystems are dependent upon the cycling of matter and the flow of energy.
- ✓ **Variety of Resource Types** - Includes lessons, activities, assessments, and more.
- ✓ **Daily Teaching Timeline Included** - Includes a ready-to-go, daily teaching timeline.
- ✓ **Digital + Printable Formats** - Ideal for classroom, hybrid, or remote learning environments with flexible access options.

Resources Included

TEKS Grade 7 - S.7.12.A The Flow of Energy within Trophic Levels

- ✓ 7th Grade Science TEKS Curriculum Bundle
- ✓ Variety of Lesson and Activity Types
- ✓ Digital + Printable Formats



TEKS Grade 7 - S.7.12.B Cycling of Matter in Ecosystems

- ✓ 7th Grade Science TEKS Curriculum Bundle
- ✓ Variety of Lesson and Activity Types
- ✓ Digital + Printable Formats



Daily Teaching Timeline Included for Each Standard

TEKS – Grade 7

S.7.12 - Organisms and environments. The student understands that ecosystems are dependent upon the cycling of matter and the flow of energy.

S.7.12.A - The student is expected to diagram the flow of energy within trophic levels and describe how the available energy decreases in successive trophic levels in energy pyramids.

Resources:

- *Energy Flow in Ecosystems - 5E Lesson*
 - Energy Flow in Ecosystems - Lesson
 - Energy Flow in Ecosystems - Lab Station Activity
 - Energy Flow in Ecosystems - Digital Scavenger Hunt Activity
 - Energy Flow in Ecosystems - Digital Interactive Notebook Pages
- *Energy Flow in Ecosystems Review Test Project*

TEKS Science Daily Teaching Plan

Lesson Length: 55 minutes

Timeframe: 6 Days

Day	Lesson/Activity
Day 1	Energy Flow in Ecosystems - 5E Lesson Bundle - Engagement Phase Exploration Phase Watersheds - Lab Station Activity
Day 2	Energy Flow in Ecosystems - 5E Lesson Bundle - Exploration Phase Energy Flow in Ecosystems - Lab Station Activity
Day 3	Energy Flow in Ecosystems - 5E Lesson Bundle - Explanation Phase Energy Flow in Ecosystems - Lesson
Day 4	Energy Flow in Ecosystems - 5E Lesson Bundle - Elaborate Phase Energy Flow in Ecosystems - Digital Scavenger Hunt
Day 5	Energy Flow in Ecosystems - 5E Lesson Bundle - Evaluate Phase Quiz
Day 6	Energy Flow in Ecosystems Review Test Project

TEKS – Grade 7

S.7.12 - Organisms and environments. The student understands that ecosystems are dependent upon the cycling of matter and the flow of energy.

S.7.12.B - The student is expected to describe how ecosystems are sustained by the continuous flow of energy and the recycling of matter and nutrients within the biosphere.

Resources:

- *Ecosystems - 5E Lesson*
 - Ecosystems - Lesson
 - Ecosystems - Lab Station Activity
 - Human Impact on Ecosystems – Assignment
 - Coral Reef Ecosystems and their Future - Grade 8 and Up Reading
 - Coral Reef Ecosystems and their Future - Grade 6-8
- *Cycling of Matter – Lesson*
- *Matter and Energy Cycling in Ecosystems - Station Activity*
- *Water and Carbon Cycle - Diagram Activity*

TEKS Science Daily Teaching Plan

Lesson Length: 55 minutes

Timeframe: 10 Days

Day	Lesson/Activity
Day 1	Ecosystems - 5E Lesson Bundle - Engagement Phase Exploration Phase Ecosystems - Lab Station Activity
Day 2	Watersheds - 5E Lesson Bundle - Exploration Phase Watersheds - Lab Station Activity
Day 3	Ecosystems - 5E Lesson Bundle - Explanation Phase Ecosystems - Lesson
Day 4	Ecosystems - 5E Lesson Bundle - Elaborate Phase Coral Reef Ecosystems and their Future – Reading
Day 5	Ecosystems - 5E Lesson Bundle - Evaluate Phase Human Impact on Ecosystems Assignment
Day 6	Cycling of Matter Lesson
Day 7	Matter and Energy Cycling in Ecosystems - Station Activity
Day 8	Water and Carbon Cycle - Diagram Activity
Day 9	Water and Carbon Cycle - Diagram Activity
Day 10	Water and Carbon Cycle - Diagram Activity

Lessons, Activities, Assessments, and more

A 5E Lesson Bundle Energy Flow in Ecosystems

- ✓ Engagement
- ✓ Exploration
- ✓ Explanation
- ✓ Elaborate
- ✓ Evaluate



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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

Energy Flow In Ecosystems Lab Station Activity



7 Lab Station Activities to get your kids out of their seats and engaged in their learning

Ecosystems

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



Google Slides and PowerPoint Versions Included
Google Classroom Ready

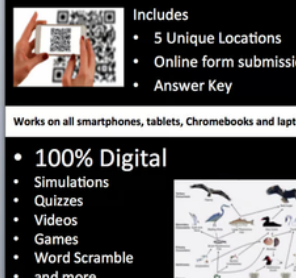
Device-Based Scavenger Hunt Energy Flow In Ecosystems

Includes

- 5 Unique Locations
- Online form submission
- Answer Key

Works on all smartphones, tablets, Chromebooks and laptops

- 100% Digital
- Simulations
- Quizzes
- Videos
- Games
- Word Scramble
- and more



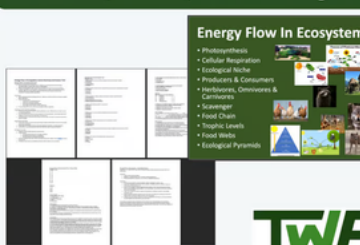
Chapter 3: Energy Flow in Ecosystems Digital Interactive Notebook Pages

- 100% Digital and Interactive
- Perfect for your Google Classroom or Microsoft OneDrive



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Energy Flow in Ecosystems: Review, Test, and Project



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Reading Comprehension Passage and Questions

Coral Reef Ecosystems & their Future

6th, 7th, and 8th Grade Science

- ✓ No Prep, Ready-to-Use Resource in Google and Office Format
- ✓ Includes Comprehension and Extension Questions



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

Cycling of Matter in Ecosystems Lesson



- ✓ Comprehensive Lesson Package
- ✓ Interactive & Video-Enhanced
- ✓ Google & Office Compatible
- ✓ Assessment Included

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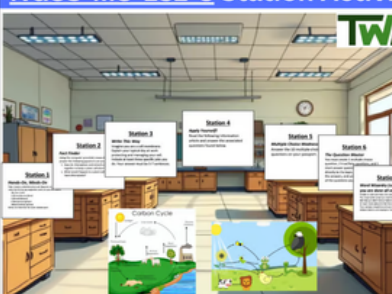
Water and Carbon Cycle Activity



- ✓ Hands-On Water & Carbon Cycle Models
- ✓ Grading Made Easy
- ✓ Perfect for Multiple Grades
- ✓ Real Student Examples Included

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Matter and Energy Cycling in Ecosystems NGSS-MS-LS-2-3 Station Activity



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A 5E Lesson Bundle Ecosystems

- ✓ Engagement
- ✓ Exploration
- ✓ Explanation
- ✓ Elaborate
- ✓ Evaluate



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Ecosystems Lab Station Activity



7 Lab Station Activities to get your kids out of their seats and engaged in their learning

Who is this Bundle for?

- **Teachers who teach 7th grade science in Texas**
- **Teachers who want multiple resources at their fingertips including lessons and a variety of activities, in order to prepare their students for the STAAR Science Exam**
- **Teachers who don't have time to develop their own resources or organize what to teach and when**

