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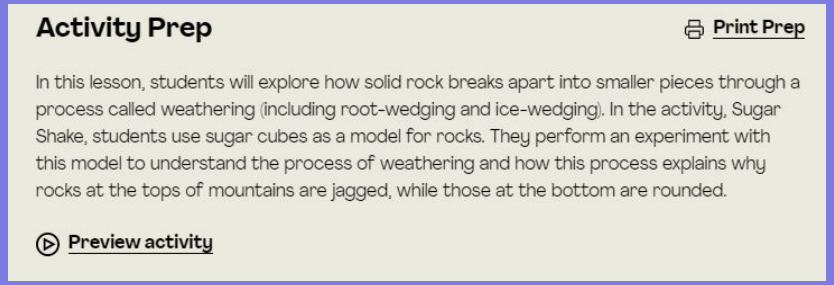
What is Mystery Science?

- Being “curious” is the framework
  - Prepares learners to think critically, which in turn prepares them for the unknown jobs that await them in the future.
- Each lesson starts with a question to spark learner’s curiosity about science and ends with an inquiry based activity
- Answering learner questions ***forward*** rather than ***backward***
  - Engagement by starting with how an answer was determined prior to telling the actual answer
  - Direct experience that leads to answer of the question at hand

Why Mystery Science

In addition to the reasons previously listed, teachers identified the need for a more engaging, complete science program to support our students. Through collaboration and research, staff members discovered that not only does Mystery Science positively impact our youngest learners, it enabled us to seamlessly prepare for the shift in the NYS Science Investigation for the 2023/2024 school year.



- Inquiry based
- Collapses the curriculum
  - Next Gen Science standards K-5
  - Links to reading nonfiction passages
  - Writing
- Student centered
- Extensions and enrichment opportunities
- Parent communication feature
- Videos in Spanish

Kindergarten

Animal Needs

Plant Needs

Severe Weather

Weather Patterns

Sunlight & Warmth

Pushes & Pulls

1st Grade

Animal Traits & Survival

Plant Traits & Survival

Day Patterns

Night Patterns

Light, Sound, & Communication

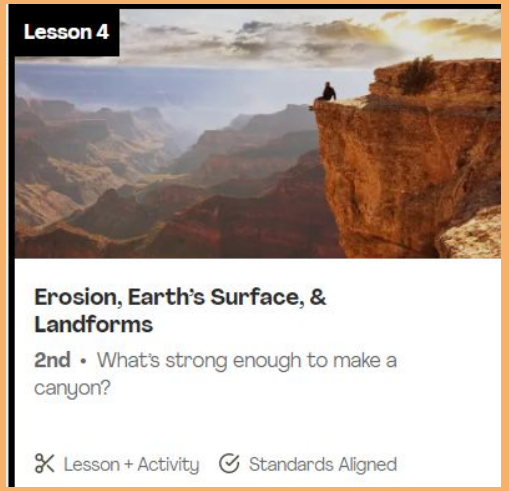
2nd Grade

Animal Biodiversity

Plant Adaptations

Erosion & Earth's Surface

Material Properties



3rd Grade

Fossils, Animal Survival, & Heredity

Life Cycles

Plant Life Cycle & Heredity

Weather & Climate

Forces, Motion, & Magnets

4th Grade

Human Body, Vision, & The Brain

Earth's Features & Processes

Sound, Waves, & Communication

Energy, Energy Transfer, & Electrici...

5th Grade

Ecosystems & The Food Web

Water Cycle & Earth's Systems

Stars & The Solar System

Chemical Reactions & Properties O...

Lesson 5

Natural Hazards & Engineering

3rd • How can you keep a house from blowing away in a windstorm?

Lesson + Activity Standards Aligned

Lesson 2

Collisions & Energy Transfer

4th • What makes roller coasters go so fast?

Lesson + Activity Standards Aligned

Lesson 1

Food Chains, Predators, Herbivores & Carnivores

5th • Why would a hawk move to New York City?

- Birth of Rocks Unit
  - Earth's Features
  - Weathering & Erosion

Lesson Homepage

Lesson Introduction

Student Activity

Assessment

Outcomes for learners

- Experiential learning
- Collaboration
- Make sense of the world around them
- Engaging (FUN) hands-on experiences
- Connections to literacy
- Common experiences for all K-5 students across the district
- STAY CURIOUS

Student photos

Student anecdotal