

Science Aligned

ROCK FORMATIONS AROUND THE WORLD



VIRTUAL field trip

SCIENCE TOPICS

Learn about rocks and erosion
while visiting famous rock
formations around the world.

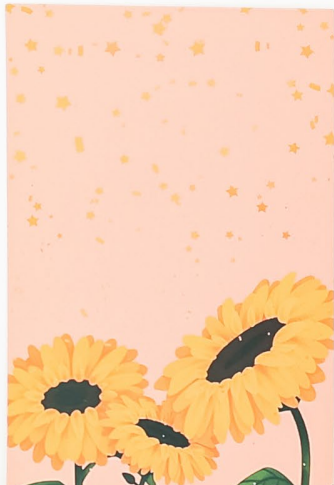
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INTERACTIVE

colorful, interactive movable pieces that students can drag and drop to solve problems, making learning more engaging and hands-on.





INTEGRATES READING

Short reading passages
introduce key vocabulary
and build background
knowledge.

Forming the Fairy Chimneys

Millions of years ago, the land that surrounds the city of Cappadocia was a shallow sea. This is known by the discovery of sea creature fossils. During that time, two active volcanoes erupted lava, volcanic ash, and other materials across the land, forming rock. Over thousands of years, water and wind eroded the softer rock and left behind tall pillars of harder rock- some more than 130 feet high. The fairy chimneys, and the large area of land that surrounds them, tell the history of who and what existed there before. Thanks to the erosion that formed (and preserved) the fairy chimneys, scientists have been able to uncover that history.

Click [here](#) to watch a video about the fairy chimneys of Cappadocia.



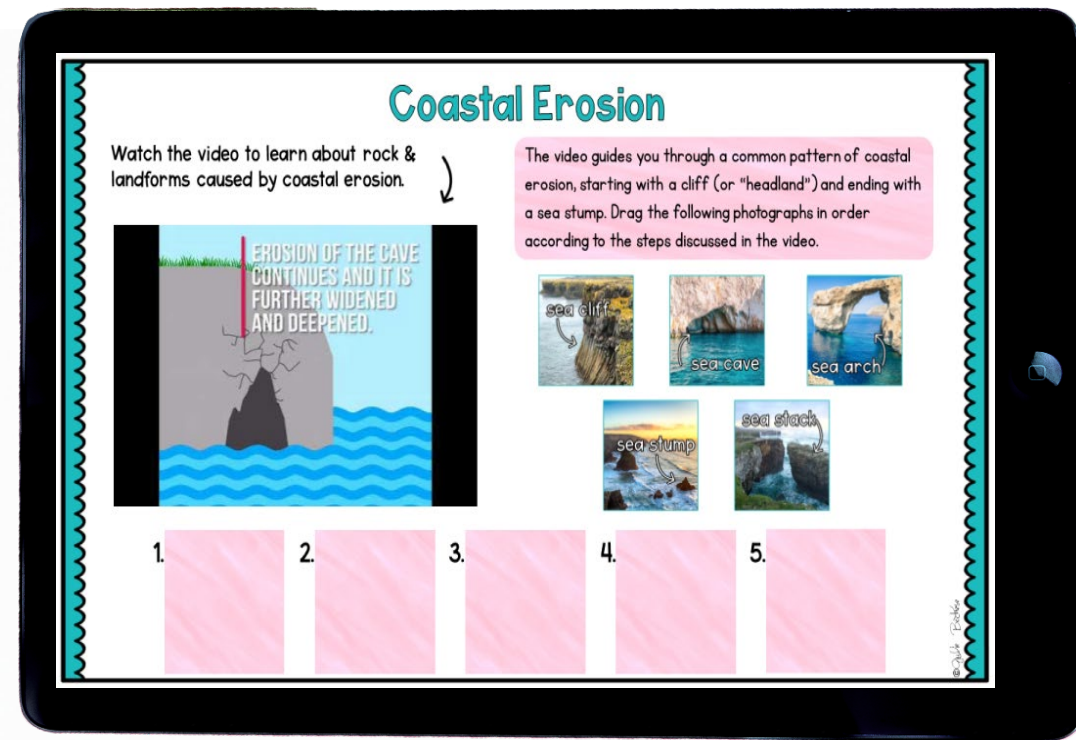
Sometime around 4,000 years ago, humans discovered that the tall pillars were soft enough to carve into. This began a long history of the rocks being eroded by humans to use as homes, shelters, churches, and entire cities. To this day, people live in fairy chimneys in Cappadocia, and tourists can visit and fly over the valleys of interesting rock formations in hot air balloons.

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ENGAGING & EDUCATIONAL MEDIA

Build background knowledge through engaging videos and media.



Major Erosion

On March 8, 2017, the Azure Window collapsed during a bad storm. The strong winds and waves were too much for the arch, and the entire rock formation fell into the sea. Click [here](#) to watch a video about it.



During this trip, we've seen many examples of how weathering and erosion can create beautiful, interesting land and rock formations over long periods of time. Here, studying the collapse of the Azure Window, we see something different. Or is it different? Reflect below.

To the map!



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SCIENCE STANDARDS

- Science and Engineering Practices
- Crosscutting Concepts
- Core Science Concepts





CRITICAL THINKING

Students dive deep into this engaging topic and learn to draw conclusions and make judgements.

Discovering Fossils








In another region of China, Yunnan Province, dinosaur fossils are regularly discovered in rocks that are also millions of years old. While this occurs in many parts of the world, this area of the planet is definitely a hot-spot for discovering species that roamed our planet millions of years ago.

Watch the video to learn more.

Watch the video to learn about paleontology.

DIG IN TO PALEONTOLOGY

Would you consider being a paleontologist? Why?




REFLECTION

Improves personal growth, learning, and development, fosters introspection, self-discovery, and continuous improvement.




Fossils, Rocks, and Evolution

Watch the video to learn about the strong connection between fossils, rocks, and evolution.



Reflect on what we've learned about landforms, rocks, erosion, and fossils. How do all these things help scientists tell a story about Earth's history? Why is that important?

To the map!

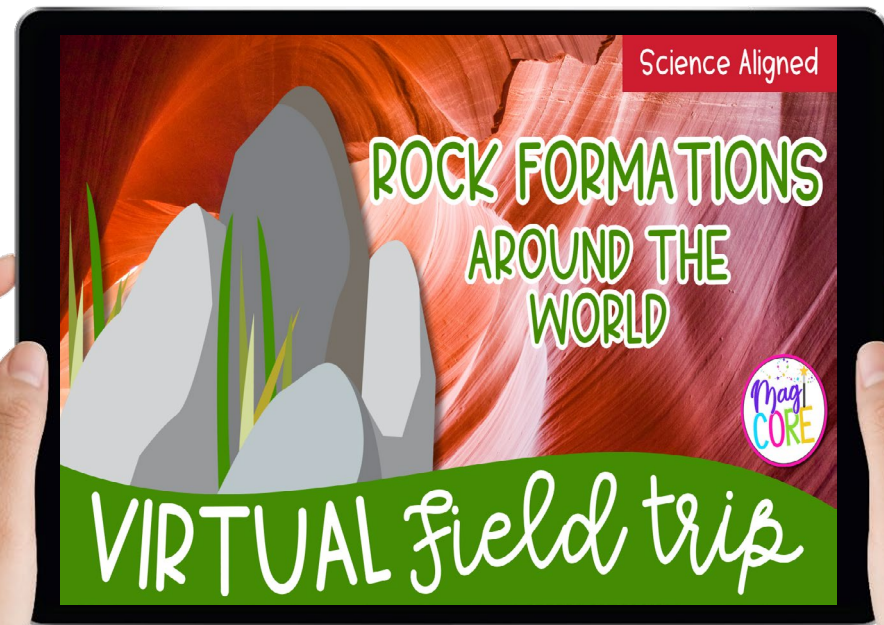




Suggested Uses

- Assign in Google Classroom or SeeSaw
- Whole Class Activity
- Small groups or center
- Early Finisher
- Incentive or Fun Friday

Google Slides and SeeSaw



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