

Storytime Activity Guide

what can you do with a rock?

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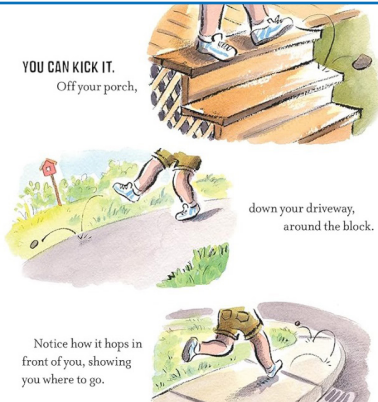
A fun, adventurous story to learn about what rocks can do and where to find them. You can skip them in the pond or stream, drop them to the ground and see where they take you, create art on them, sort them by their color, size, shape, or texture, but most of all, you can share them with your friends and start your own rock collection.

Did you know?

Nature provides a rich and engaging learning environment that supports children's understanding of science concepts. By immersing young children in natural settings and experiences, they develop a strong foundation for scientific thinking and exploration. While reading **what can you do with a rock?**, you and your child can explore cause-and-effect relationships. For instance, dropping a pebble into a pond and observing the ripples, or experimenting with different angles while sliding down a hill, helps children grasp the concept of cause and effect in a tangible way.

YOU CAN KICK IT.

Off your porch,



down your driveway,
around the block.

Notice how it hops in
front of you, showing
you where to go.



Words to Practice

rocks
drop
kick
skip
sort
explore
examine

Talk about it!

- Ask your child to make a prediction. If you drop a rock on the ground, will the rock bounce, roll, or will nothing happen?
- After sharing the book with your child, ask them which activity they want to try that is mentioned in the book? Why did they like that particular activity?
- You can find many cause-and-effect relationships in this book. Help your child to find them together and talk about the causes and effects.

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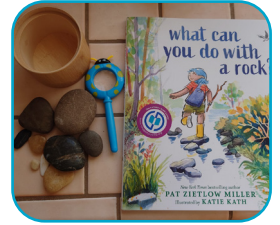
Explore!

Learn about how rocks are made. Share the 3 main types of rocks with your child. 1) Igneous rocks are formed when melted rocks cool and harden such as granite and obsidian, 2) sedimentary rocks are formed from layers of sand, silt, shells, or plants such as sandstone and limestone, and 3) metamorphic rocks are made from others rocks that change with heat and pressure underground such as marble and slate.

Materials needed:

- ***What can you do with a rock?*** book
- A collection of rocks or pebbles
- Empty egg carton or small container
- Magnifying glass
- Water

1. Collect a few rocks or pebbles from the beach, playground, park or your neighborhood.
2. When you get home, ask your child to help you wash the rocks with soapy water before use. Pat them dry with a towel.
3. Put them in a container or egg carton as your treasure box or rock collection.
4. Use your magnifying glass to examine each rock closely and compare them to the rocks inside the cover of this book. Are there any similarities or differences? Is your rock igneous, sedimentary, or metamorphic? What texture does it have? Smooth? Rough? Bumpy? What are the colors and shapes of your rocks?
5. Spray some water on your rocks. How do they look? Is there any difference? Do the color or lines of the rocks look more visible, brighter, or vibrant?
6. Next, put the rocks in the sun and observe what happens. Did they dry up? What happens to the water?



Play: Go Exploring and Experimenting

Take a walk to a beach or pond to explore with your child. Pick up nature objects (twigs, pebbles, seashells, pinecones, acorns). Drop them into the water and observe the ripples. Which objects make big or small ripples? Which objects sink or float? Why?

Share with your child that the density of an object plays a part in why it floats and sinks. When an object is more dense than water, it will sink when placed in water, and when an object is less dense than water, it will float.

