

Keep this sheet.
Collect them all!



Explore your world with this Science-to-Go backpack



Books in this backpack

- **A Beach Tail**
by Karen Williams
- **High Tide for Horseshoe Crabs**
by Lisa Kahn Schnell
- **Leopard and Silkie**
by Brenda Peterson
- **On the Way to the Beach**
by Henry Cole
- **Seashells by the Seashore**
by Marianne Berkes

Idea!

Talk with your child about the difference between fictional books and books that are factual.

More books
at your
library

At the Beach. Anne and Harlow Rockwell. E ROCKWELL.
This Is the Sea that Feeds Us. Robert Balwin. E BALDWIN
What Lives in a Shell? Kathleen Weidner Zoehfeld. E591.471
What Can Live at the Beach? John-Paul Wilkins. E578.7699

Local Connection

Visit a Puget Sound public beach!
Build a sandcastle together, go clamming or investigate tide pools.
Bring a magnifying glass to look at sand close up.

ACTIVITY

What is Sand?

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Children are often fascinated by sand. It's fun to play with, of course, but where does it come from? In this activity, children will make their own sand, discovering that sand is simply small pieces of rock (and shell, mineral, etc.).

What you need:

- Rocks
- Water source
- Plastic container with lid (well-cleaned yogurt container works)

Try this:

1. Gather rocks with your child.
2. Together, wash the rocks completely clean. Check with your child—is there any dirt left on the rocks?
3. Place the rocks in the plastic container. Add water, covering the rocks by an inch or so.
4. Shaking time! Have your child shake the container for three whole minutes. Jump around, shake, dance!
5. Open the container—what do you find? The water will be brown—full of small pieces of rock.
6. Pour out most of the water and the rocks into another container so you can see better. Your child should find the bottom of the plastic container full of gritty new sand.
7. Talk about how rocks are constantly hit by ocean waves, creating sand on beaches everywhere.

Rhyme

At the Seashore

Down at the seashore
Isn't it grand?
Wiggling my toes
In the soft, warm sand,
(wiggle toes)

Building a tall sand castle
(make building motions)
Where the King and
Queen can stay,
But when the tide
comes rushing in
(one arm sweeps inward)
They will have to
move away!
(arm makes a
sweeping motion)

Field Notebook

Add something to the field notebook!

For example: Draw a plan for a sandcastle you would like to build.