

Sand & Shells



THIS IS WHAT IS INCLUDED

- ✓ Detailed Teacher Instructions
- ✓ 1 Sand and Shells Scientific Process Skills Poster
- ✓ 1 Sand and Shells Learning Objectives Poster
- ✓ 1 Week of Sand and Shells Lessons
- ✓ Sand and Shells Set Up Instructions
- ✓ Sand and Shells Scientific Vocabulary Cards
- ✓ Sand and Shells Printable Science Notebooks
- ✓ Sand and Shells Non-Fiction Book
- ✓ 3 Sand and Shells Posters
- ✓ 1 "I Can..." Poster
- ✓ 1 Set of "I Can..." Science Center Task Cards
- ✓ 1 Shell Pocket Chart Activity
- ✓ 1 Shell Activity Booklet
- ✓ 3 T-chart Shell Sorting Mats
- ✓ 1 Shell Weighing Activity
- ✓ 1 Sand Exploration Activity
- ✓ Labels and Tabs



TEACHER INSTRUCTIONS

SCIENCE UNIT

BOOK SUGGESTIONS

LESSON PLANS



TEACHER INSTRUCTIONS

UNIT 3: EARTH- SAND AND SHELLS

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BOOK SUGGESTIONS

Check your local library for the books listed in this unit. You can also find like science books for your child at the following link:

- ✓ [Earth Science](#)
- ✓ [Physical Science](#)
- ✓ [Life Science](#)

VOCABULARY

Print the vocabulary cards on cardstock and laminated for durability. Place them in a center to spark discussion and support the development of academic and science vocabulary.

OBSERVATION

Students will use their senses to explore, discover and learn about sand and shells.

INVESTIGATION

Students will explore and investigate different properties of sand.

BOOK SUGGESTIONS

- ✓ *What Lives in a Shell?* by Kathleen Weidner Johnson
- ✓ *Next Time You See a Shell* by Emily Morgan
- ✓ *Seashells: More Than Meets the Eye* by Melissa Stewart
- ✓ *Jump Into Science* by Prager
- ✓ *Sand Castle* by Brian G. Jones
- ✓ *Sand & Rock* by Lawrence Sanders
- ✓ *Sand to Glass* by Inez Snyder

LEARNING OBJECTIVES

Students will use their senses to explore and identify the differences between various shells.

DAY 1

1. Read a book.
2. Hold up a shell and invite the students to tell you what they think it is and where it came from.
3. Display a variety of shells. Invite students to talk about the shells and how they are the same and different.
4. Invite the students to record their observations in their science notebooks.

DAY 3

1. Read a book.
2. Invite students to discuss where they may find shells. Students can describe their own experiences with shells.
3. Invite the students to explore a sensory bin with sand and a collection of shells.
4. Invite students to sort shells into groups by size.

DAY 2

1. Read a book.
2. Invite students to look at the shells. Discuss how animals live in shells.
3. Guide students to list animals that live in shells.
4. Use the sorting cards to sort animals into "shells" and "no shells."
5. Invite the students to draw a picture of their favorite shells.

DAY 4

1. Read a book.
2. Invite students to explore the sand closely. (Bin of sand with no shells) Students can use their senses and tools such as magnifying glasses and sieves to explore the sand.
3. Invite the students to record their observations.
4. Suggest the students complete the sand observation sheet.

SAND AND SHELLS

DAY 5

1. Read a book.
2. Ask the students to think about how they can make sand stay together to form a sandcastle.
3. Invite students to use sand trays, spray bottles of water, and other toys/tools to create sandcastles or other structures.
4. Invite the students to record any observations.

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UNIT OBJECTIVES

SCROLL FOR MORE

LESSON EXAMPLE


Setting indicated.

Aligned objectives for each activity

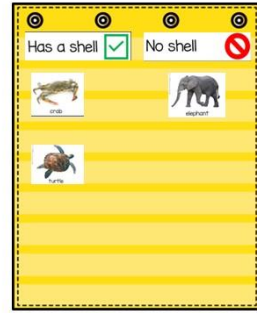
Materials list

Shell Pocket Chart Sorting


Setting
Science center - independent practice 

Objectives 
• Students will identify animals with shells, and animals without shells.

Materials Needed: 
• Shell sorting cards
• Cardstock
• Printer
• Laminator & laminating film



Picture examples

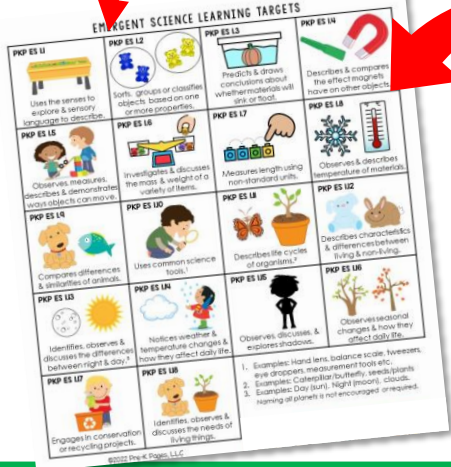
Directions: 
Print, laminate, and cut out the shell sorting cards.

Place the sorting headers at the top of the pocket chart. The header that says "has a shell" goes on the right, and the one that says "no shell" goes on the left.

Invite students to sort the pictures into groups of animals with shells and animals without shells.

Add real shells to your science center and invite students to find pictures of animals that have that type of shell.

Step-by-step directions for each activity



↓ **SCROLL FOR MORE** ↓



DAY 1

LESSON EXAMPLE

**BOOK
SUGGESTION**

ACTIVITY



↓ SCROLL FOR MORE ↓



AGE-APPROPRIATE LESSONS & ACTIVITIES



↓ SCROLL FOR MORE ↓

WHAT OTHER TEACHERS ARE SAYING ABOUT OUR SCIENCE UNITS...



★★★★★ **Extremely Satisfied** ”

This was a fun and engaging activity for my students! Thank you for your hard work and effort on creating this product!

“★★★★★ **Extremely Satisfied**

This is wonderful! I love all the different parts and pieces . . . the pictures, the activities, etc. Thank you!



★★★★★ **Extremely Satisfied** ”

I believe these are the best science units for pre-k classes. The activities encourage young children to observe and explore ...



“★★★★★ **Extremely Satisfied**
I loved all of the age appropriate explorations. My students were highly motivated to spend time at the science table using these materials.



↓ **SCROLL FOR MORE** ↓

SCIENCE UNITS

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This done-for-you bundle of science units fosters inquiry and encourages your little learners to explore and investigate using fun, hands-on activities.

Age-appropriate book suggestions for read aloud are also included in each unit.



ABOUT THE AUTHOR

MEET VANESSA

I love helping busy Pre-K and Preschool teachers plan effective and engaging lessons, create fun, playful learning centers, and gain confidence in the classroom. As a public Pre-K teacher with 20+ years of classroom teaching experience, I'm committed to helping you teach better, save time, stress less, and live more. I hope this resource will help give you a better idea of what I'm all about at [Pre-K Pages](#) and [Teaching Trailblazers](#).

If you want more help teaching better, saving time, or living more, Teaching Trailblazers is my full-support solution for Pre-K teachers who want to bring their A-Game to their students...and still have a life.

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