

NATURE/SCIENTIFIC JOURNALING ACTIVITY

AGES: 3RD GRADE - ADULT

CREATED FOR CABRILLO MARINE AQUARIUM BY CATHERINE TERRONES

SPINY SKIN AT THE SANDY BEACH

ECHINODERMS are animals like **Sea Stars, Sand Dollars, Sea Urchins,** and **Sea Cucumbers**. Different Species can be found in ocean habitats all over the world! Take a look at each sandy beach species and follow the prompts to dive deeper into your own observations. Hint: Echinoderm means **Spiny Skin!**

A NOTE ABOUT NATURE OR SCIENTIFIC JOURNALING

Looking in more detail helps us notice, remember, question, and make connections. For journaling focus on observations you make for yourself, having fun, being relaxed but detailed with your sketches, and creative with your words and associations. Describe what you notice. Describe something the way YOU SEE IT!

WHAT DO YOU THINK IS COOL ABOUT THIS ANIMAL? INTERESTING? UNIQUE? WHY?

Draw one part, or all the parts of the animal. Label it with your own words, or use scientific illustrations to help. Use a dry shell, a picture, or video of a live animal. What questions do you have? What do you notice? What does it remind you of? What's the same or different about the animal you're looking at compared to other Echinoderms? How do you think it's body shape or size, body parts, coloring, or behavior help it survive, thrive, and reproduce?

WANT MORE? ANSWER THESE QUESTIONS WITH YOUR DRAWING AND DESCRIPTION

How might this animal eat? Draw and describe it's mouth parts

Can you draw an up-close / zoom-in of its mouth?

How does this animal hide, move through, or bury in the sand?

Where does this animal excrete waste?

Is there anything different about this type of animal? For example a Sea Star Vs. Sea Urchin? What might be similar?

DRAW, DESCRIBE, AND LABEL.... ON THE NEXT PAGES

* Use this space, or use a whole page for each animal if you prefer!

DRAW DESCRIBE AND LABEL.... A SAND DOLLAR: *

DRAW, DESCRIBE, AND LABEL..... A SAND STAR:*

DRAW, DESCRIBE, AND LABEL... A SAND URCHIN:*

DRAW, DESCRIBE AND LABEL A.... SEA CUCUMBER: *



