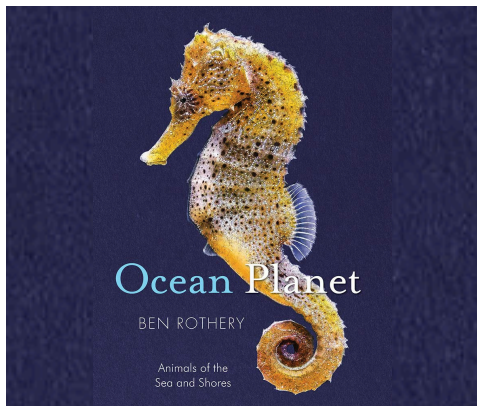


CONNECTIONS TO SCIENCE GUIDES

GEORGIA YOUTH SCIENCE & TECHNOLOGY CENTERS, INC.

OCEAN PLANET: ANIMALS OF THE SEA AND SHORE

BY: BEN ROTHERY



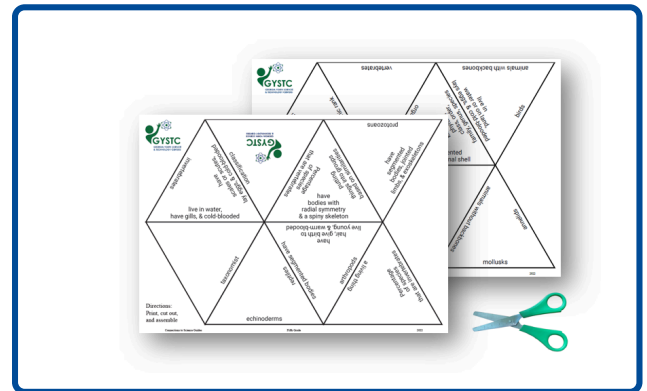
ASK

- Have you ever been to the ocean? What do you know about the animals that live in or near the ocean?
- How could we group those animals?
- Why do scientists group animals based on their attributes?
- Have you ever thought about being a taxonomist?

EXPLORE CLASSIFICATION TARSIA

Materials:

- Classification Tarsia
- Scissors



Directions:

- Begin by printing out the Classification Tarsia.
- Carefully, cut out the triangular pieces.
- Solve the questions and match them with the answers on another card. When all questions and answers have been matched, a larger triangle will have been assembled.
- As you work, think about:
 - Why do scientists use classification?
 - What are the benefits of classification?

Fun Facts:

- Carolus Linnaeus is known as the father of taxonomy.
- Over two million species have been identified and described, though millions more are estimated.



EXPLAIN CLASSIFICATION

Scientists group similar organisms together to organize and understand how things are related to each other. This is called classification. To classify organisms, scientists use a dichotomous key. At each step of the process of using the dichotomous key, the scientist is given two choices, and each answer leads to another question until the organism is identified or a new species is discovered.



EXTEND CHEHAW PARK & ZOO



The Chehaw Park and Zoo offers an opportunity to learn about vertebrates and invertebrates in their natural habitats. Visit <https://www.chehaw.org/> or plan a trip today!

BACKGROUND

The Georgia Youth Science and Technology Centers, Inc. provides quality programs for teachers of STEM subjects that improve the teaching and learning process at the kindergarten through eighth grade levels. We present programs that change students' perceptions and inspire an appreciation for science, technology, engineering, and mathematics subjects.

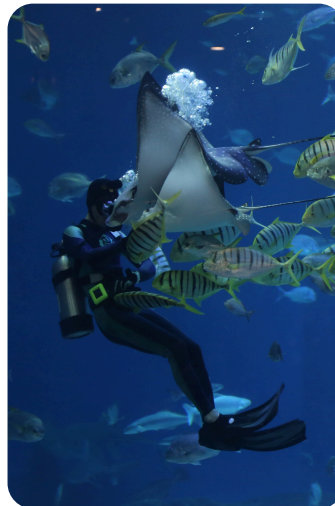
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STEM CAREER TAXONOMIST

A taxonomist is a scientist who classifies and names living organisms. At work, taxonomists collect specimens, identify and name new species, and share their findings with the scientific community. Taxonomists can work for museums, universities, or government agencies. If you are interested in discovering new species, being a taxonomist might be for you!



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