Sittin' on the Dock

Taken from Fifer, F. & Ledbetter, C. (2000). *Penny Ante Science®*. Dallas: SCE Associates.

Use these **extensions** to inspire your own creativity to integrate these activities into your present curriculum.

Ecology: As the sea floor changes, so does the area in which organisms can live. As the water gets deeper and deeper, organisms are less reliant on light for photosynthesis and have developed strategies for hiding from predators and for capturing prey. How does the appearance of the ocean floor impact what organisms can live in the areas? Why are the animals in the corals so much more colorful than those in the deep oceans?

Geology: Corals change the shape of the ocean floor. They change the way water flows, creating or preventing weathering and erosion. Why is it important to know what the ocean floor looks like?

Humankind: Snorkelling and scuba diving are two ways humans interact with animals living in the oceans. Places for animals to live and to grow are decreasing. How would you protect the plants and animals living in the ocean ocean? How does our fishing impact the citizens of the oceans?

These detailed **correlations** indicate direct applicability to specific standards; others may be implied.

Texas Essential Knowledge & Skills (TEKS)*	K-2	3-6	6-8	IPC, Biology, Chemistry, Physics	Aquatics, Astronomy, Environmental, GMO
	K.1, 4, 5, 8, 9, 10 1.1, 3, 6, 7, 8, 9 2.1, 3, 6, 8, 9	3.1, 5, 8, 9	8.1, 5, 11	Biology.1	Aquatics.1 Environment.1, 7

* Compiled from Ledbetter, C. (2000) *TEKSing through Penny Ante Science®*. Dallas: SCE Associates. Specific listing within any category pre-supposes applicability to the general process TEKS for each area.