

## Davy Jones's Locker

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.

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**Ecology:** Why do fish have different shaped tails? How do animals' bodies change depending on they move through the medium in which they live? The variety of plants and animals changes with differences in their habitats. Although niches are basically the same, the plants and animals that fill them have adapted to differences in the density of the media.

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**Geology:** Why are the mineral crystals in some metamorphic rocks squished or aligned? Why are the rocks tossed out of volcanoes shaped like footballs? What do the various shapes of valleys tell you about the rate of erosion? Is this effect attributable to uplift?

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**Humankind:** Why are most airplane propellers in the front of the plane? What causes less air pressure when you gain altitude? Why are most boat propellers in the back? What causes more water pressure when you go deeper under water? The technology involved in moving an airplane or a submarine involves issues in fluid dynamics, construction of the outer shell of the vehicle, and mechanisms for regulating the system.

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
		4.7	6.14	IPC.7, 9	Aquatics.1, 3, 6, 9 GMO.1, 3, 10
		5.1, 3, 5	7.1		
		6.14	8.10, 12		

\* 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.