

**PRESCOTT UNIFIED SCHOOL DISTRICT**  
**District Instructional Guide**  
**Date Revised June\_2019**

<b>Grade Level: High School</b>	<b>Subject: Marine Science</b>	<b>Time: Quarter/Semester 1/1</b>	<b>Core Text:Life on an Ocean Planet</b>
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<b>Time</b>	<b>Topic</b>	<b>Content (Nouns)</b>	<b>Skills (Verbs)</b>	<b>Standards</b>	<b>Assessments</b>
Weeks 1-4	Intro to Marine Science	Lab Safety Rules	TSW (the student will) differentiate between safe and unsafe lab procedures	S1, C2, PO1	Return signed lab safety contract Flinn Safety Exam
		Scientific Method		S1, C2, PO3 S1, C3, PO2	
		Latitude/Longitude	Describe and apply latitude/longitude and the purpose of the latitude/longitude system		Latitude/Longitude Quiz
		Ocean Importance to Earth and living things	Identify the importance of the world ocean to all life	S1, C3, PO1 S6, C1, PO4	
		Classification System	Explain how life on Earth is classified	S4, C4, PO6	Quiz Dichotomous Key Lab
		Food Webs	Evaluate the	S4, C5, PO1, 4	Quiz

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			performance of energy transfer in the marine environment		Marine Food Web Lab
Weeks 5-9	The Nature of Water	Water Properties	Demonstrate how water molecules travel through the water cycle	S6, C1, PO1	Water Cycle Lab
			Describe water's unique properties Describe the colligative properties of seawater Explain why the ocean is salty	S5, C1, PO1	Water Properties Quiz
		Estuaries	Define and describe the different types of estuaries Evaluate the impact of estuaries on humans and vice versa Describe the challenges of saltwater living	S4, C3, PO1, 2	Estuaries Lab  Estuary group presentations
		Arthropods	Define the characteristics of arthropods	S4, C4, PO3	Blue Crab Lab Estuaries/Arthropod Lab