

PRESCOTT UNIFIED SCHOOL DISTRICT

District Instructional Guide

Date Revised June 2019

Grade Level: High School	Subject: Marine Science	Time: Semester/Quarter 1/2	Core Text:Life on an Ocean Planet
---------------------------------	--------------------------------	-----------------------------------	--

Time	Topic	Content (Nouns)	Skills (Verbs)	Standards	Assessments
Weeks 10-13	Waves Sandy Beach Mollusks	Sand Origination Wave Anatomy Wave Causes and Characteristics Human Activities and Coastlines Mollusks	Determine the origination of sand based on its physical properties Explain how physical forces affect beaches and beach inhabitants Explain the effects of manmade structures on beach erosion Label the parts of a wave Explain how to escape a rip current Identify and classify the three major classes of mollusks Identify the defining characteristics of cnidarians	S3, C1, PO1,2 S4, C3, PO 1, 2 S4, C4, PO6 S5, C5, PO2	Unit Exam Squid Lab Practical Sand Lab Sand Quiz

PRESCOTT UNIFIED SCHOOL DISTRICT

District Instructional Guide

Date Revised June 2019

<p>Weeks 14-16</p>	<p>Tides Rocky Shores Echinoderms</p>	<p>Cause of Tides Tidal Patterns and Currents Echinoderms</p>	<p>Explain the reasons for tides and tidal variations Plot and analyze a tidal curve Distinguish the different types of tides Relate the zones and conditions caused by tides to adaptations of organisms in each zone Identify the key characteristics of echinoderms</p>	<p>S6, C2, PO10 S6, C1, PO2 S4, C4, PO2, 6</p>	<p>Echinoderm Lab Sand Lab Unit Exam</p>
<p>Weeks 17-18</p>	<p>Kelp Forest Sea Otters</p>	<p>Kelp and Seaweed Marine Mammals Keystone Species</p>	<p>Distinguish the types of algae Label the parts of a kelp Analyze the the economic impact of seaweed Compare the structures and functions of land plants vs. seaweeds Relate key adaptations of sea otters to their environment Connect the presence of sea otters (as a</p>	<p>S4, C4, PO3,4 S4, C3, PO1,2, 3 S4 C5, PO3</p>	<p>Land Plants vs. Sea Plants Lab Sea Otter Challenge Unit Quiz</p>

PRESCOTT UNIFIED SCHOOL DISTRICT

District Instructional Guide

Date Revised June 2019

			keystone species) to the existence and balance of the kelp forest ecosystem		