

PRESCOTT UNIFIED SCHOOL DISTRICT
District Instructional Guide
Marine Science 2019-2020

Grade Level: 10-12	Subject: Earth/Marine Science	Time: Quarter 4	Core Text: Life on an Ocean Planet
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Time	Topic	Content (Nouns)	Skills (Verbs)	Standards
Weeks 28-31	Air-Sea Interaction	Air Pressure Coriolis Effect Earth's Uneven Heating Winds Monsoons Cyclones	Explain how differences in air pressure causes wind Identify what type of pressure would be associated with high and low pressure Explain what causes the Coriolis Effect and how it affects air movement Explain what causes the seasons on Earth Explain what causes monsoons and cyclones	S6, C1, PO4 S6, C2, PO1 S6, C2, PO2 S6, C2, PO3 S6, PO2, PO9 S6, C2, PO10 S6, C2, PO11 S6, C2, PO12
Weeks 32-33	Climate Change	Climate Keeling Curve Greenhouse Gases Plausibility	Define the difference between weather and climate Show the relationship between GHG's and temperature Define what a GHG is Support climate change with data	S6, C2, PO1 S6, C2, PO2 S6, C2, PO3 S6, C2, PO9 S6, C2, PO15 S6, C2, PO16 S6, C2, PO17
Weeks 34-36	Sharks	Chondrichthyes Ampullae of Lorenzini	Demonstrate knowledge of the external and internal features of a shark Explain why sharks are important to the marine environment Discuss how humans have impacted sharks on Earth	S1, C2, PO5 S4, C3, PO1 S4, C4, PO3 S4, C4, PO6

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Grade Level:	Subject:	Time: Quarter 2	Core Text:
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Time	Topic	Content (Nouns)	Skills (Verbs)	Standards

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Grade Level:	Subject:	Time: Quarter 3	Core Text:
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Time	Topic	Content (Nouns)	Skills (Verbs)	Standards

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Grade Level:	Subject:	Time: Quarter 4	Core Text:
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Time	Topic	Content (Nouns)	Skills (Verbs)	Standards

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