Course: Marine Science (Regular and Honors)

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Technology Support/Content: n/a

Week 1	**Day 1**	**Day 2**	**Day 3**	**Day 4**	**Day 5**
Lesson/Topic:	Ocean currents and influence on Climate	Waves & Tides Review	Plate Tectonics and the Ocean Floor Review	Marine Taxa and organisms	Adaptations
Resource:	TED-Ed How do Ocean Currents Work?	Neil deGrasse Tyson Explains Tides	Slab Pull on the Plates explained	Earth Rocks! Kingdoms, Phyla and More	10 most beautiful sea creatures in the World
Task:	Watch the TED-Ed video and pause to take notes. Extend with this NASA video on the interactions of Weather and Climate Then check out this LIVE view of the wind and sea surface on Earth. What do you think would happen if any of the main ocean currents stopped or changed direction? Write your response and share with your class in discussion.	Watch Neil deGrasse Tyson Explains Tides and note how that explanation might be different from how you previously understood Tides. Watch What causes Waves? *Take notes.* Bonus: watch these ships navigate through HUGE waves!	Watch the video above on Slab Pull; plate tectonics. *Does this differ from how you have been taught this in the past? How does this change your understanding of Earthquakes?* What about the deepest place on Earth? (7Miles) Watch this NatGeo Documentary if you have more time.	Watch the video and pause to take notes on the classification systems and which animals are in each phyla. Pause to take the quizzes as well. Then check out Keys Marine Laboratory: Invertebrate Taxonomy	Watch this video and write down the names of each sea creature mentioned and list the special adaptations for survival that make it unique (and beautiful). Enjoy a moment of quiet observation of these marine animals on this live webcam.
Recommended Duration:	45 minutes – 1 hour	45 minutes – 1 hour	45 minutes – 1 hour	45 minutes – 1 hour	45 minutes – 1 hour