

PHASE 2 INSTRUCTIONAL CONTINUITY PLAN

Beginning April 16, 2020



**Marine Science 1
Marine Science 1 Honors**

**TEXTBOOK CHECKOUT: *Marine Science* – Peter Castro,
Michael Huber**

SCHOOL NAME: _____

STUDENT NAME: _____

TEACHER NAME: _____

Marine Science I

Topic: Unit 11 Evolution of Marine Vertebrates		
Lesson	Assignment	Date Completed
Unit 11, Lesson 1:	<p>Read Textbook Pages 265-274</p> <p>Task 1: What is a vertebrate?</p> <p>Task 2: Describe the characteristics of fishes that separate them from the rest of the phylum Chordata?</p> <p>Task 3: What is the scientific name for jawless fish? How do they feed? What do their mouths look like?</p> <p>Task 4: What is phylogeny?</p> <p>Task 5: What is unique about their fin arrangement?</p> <p>Assessment: Complete Section Review on page 274 questions 1</p>	
Unit 11, Lesson 2:	<p>Read pages 268-273</p> <p>Task 1: Explain what are the characteristics of Chondrichthyes?</p> <p>Task 2: Why are sharks referred to as living fossils?</p> <p>Task 3: What are skates and rays? How do they feed?</p> <p>Task 4: How are ratfishes unique?</p> <p>Assessment: Complete Section Review on page 274 question 2</p>	
Unit 11, Lesson 3	<p>Read pages 273-284 in your textbook</p> <p>Task 1: What are bony fish?</p> <p>Task 2: How are Osteichthyes scales classified?</p> <p>Task 3: What are some of the specialized structures that help marine fishes live and reproduce in the ocean?</p> <p>Task 4: How do fish breathe (exchange gases)?</p>	

	<p>Task 5: How do fish see? Hear?</p> <p>Task 6: Why would it be an advantage for deep sea fish to be hermaphrodites?</p> <p>Assessment: Complete section review page 284.</p>	
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Topic: Evolution of Marine Invertebrates (continued)

Lesson	Assignment	Date Completed
Unit 11, Lesson 4	<p>Read pages 285-300 in your textbook</p> <p>Task 1: Cite examples and explain the adaptations to the marine environment of the following fish classes: Agnatha, Chondrichthyes, and Osteichthyes Sensory system Buoyancy and energy saving techniques (skeleton, liver, body shape) Fins, mouths, and body shapes Reproductive strategies</p> <p>Assessment: Do the section review page 300 questions 1 and 2 Page 301 Questions 1-6</p> <p>Honors Marine Additional Work Critical Thinking Questions 7,8, Data Analysis Lab Questions 1,2 on page 301</p>	

Topic: Unit 11 Evolution of Marine Vertebrates

Lesson	Assignment	Date Completed
Unit 11, Lesson 5:	<p>Read Textbook Pages 303-309</p> <p>Task 1: What is a tetrapod?</p> <p>Task 2: What are the main characteristics of reptiles?</p> <p>Task 3: What are the three orders of Class Reptilia?</p> <p>Task 4: Cite examples and explain the adaptations to the marine environment of: a. Scales b. Salt excretion</p>	

	<ul style="list-style-type: none"> c. Migrations d. Terrestrial egg laying e. ectothermic <p>Task 5: What is a poikilotherm?</p> <p>Assessment: Complete Section Review on page 309 questions 1 and 2</p>	
Unit 11, Lesson 6:	<p>Read pages 310-315</p> <p>Task 1: What are the main characteristics of birds?</p> <p>Task 2: What does the term “seabird” mean?</p> <p>Task 3: Cite examples and explain the adaptations to the marine environment of Aves:</p> <ul style="list-style-type: none"> a. waterproof feathers b. web feet c. eating strategies d. salt excretion e. migration <p>Assessment: Complete Section Review on page 315 questions 1 and Question 3 page 353</p>	
Unit 11, Lesson 7	<p>Read pages 316-335</p> <p>Task 1: Cite examples and explain the adaptations to the marine environment of Pinnipeds.</p> <ul style="list-style-type: none"> a. Flipper movement b. Body shape c. Time in water vs. on land <p>Task 2: Cite examples and explain the adaptations to the marine environment of Sirenians:</p> <ul style="list-style-type: none"> a. Flippers b. herbivores <p>Assessment: Question 1 and 2 on page 353.</p>	
Topic: Evolution of Marine Vertebrates (continued)		
Lesson	Assignment	Date Completed
Unit 11, Lesson 8	<p>Read pages 336-345</p> <p>Task 1: How are cetaceans adapted for swimming?</p> <p>Task 2: What is stranding?</p>	

	<p>Assessment: Section Review page 351 questions 1,2 and 3.</p>	
<p>Unit 11 Lesson 9</p>	<p>Read pages 620-641</p> <p>Task 1: Which action by humans have affected the following groups of animals?</p> <ul style="list-style-type: none"> a. Sharks b. Sea turtles c. Seabirds d. Manatees e. Whales <p>Honors Marine Science add the critical thinking questions 6 and 7 page 353, answer the Data Analysis Lab think critically questions 1,2, and 3 page 353.</p>	