



Apologia Zoology 2:

Swimming Creatures of the Fifth Day

Grades 2&3

Week	Friday-in class	Activity	Supplies Needed
Week 1	Chapter 1: Aquatic Animals Read page 1-10 <i>(have these read prior to the class)</i>	-Read "When the World was New" -Begin Sea Animals Bulletin board (each chapter we'll add more to this) -Notebook page -Folder Activity: Aqua mobility Identification Folder Project	-Aqua Mobility labels & fish stickers -Ocean Poem "Commotion in the Ocean"
Week 2	Chapter 1: Aquatic Animals Read page 10-16	-Notebook page -Folder Activity: Ocean Zones -Create an Under the Sea World to Explore Ocean Zones— Activity http://pinterest.com/pin/13940550940860095/?s=3&m=messages	-Large Plastic container (water bottle) -Alcohol, oil, water, dish soap, corn syrup, food coloring -Labels for the Ocean Zone Bulletin Board -Ocean Zones Folder cutouts and labels -Deep Ocean poem
Week 3	Chapter 2: Whales Read pages 19-27	-Notebook page -Folder Activity: Whale sizes with string -Blubber Experiment	-Various books on Whales - gallon Ziploc bags, Crisco, bucket of ice water http://briebrblooms.com/whale-science-project/ -Dolphin Video or whale movie: https://www.youtube.com/watch?v=T8nxiro1u78&feature=related
Week 4	Chapter 2: Whales Read pages 27-39	-Notebook Page: baleen/toothed whales -Folder Activity: baleen/toothed whale	-sandwich bags/string (10ft each kiddo) -straw, packing tape, white foam, labels -Whale/dolphin Poem
Week 5	Chapter 3: Seals and Sea Cows Read pages 41-47 <i>through Seals</i>	-Notebooking about Seals, Sea Lion, Walrus & Manatee	<i>(order Tadpoles for chapter 4)</i> -Jeopardy Review Game
Week 6	Chapter 3: Seals and Sea Cows Read pages 47-53	-Notebooking page -Folder Activity: Walrus Comparison page	-Walrus Craft -Video
Week 7	Chapter 4: Aquatic Herps Read pages 55-71	-Notebook pg/ read "Tadpole & Frog" book -Folder Activity: Frog Lifecycle -Observe tadpoles	Tadpoles, 2 small tanks, lamp with 50-60 Watt Bulb https://www.growafrog.com/quesclass.html or http://www.backwaterreptiles.com/frogs/tadpoles-for-sale.html or http://www.live-tadpoles.com/
Week 8	Chapter 4: Aquatic Herps	-Notebook page: Sea Turtles, Land Turtles -Folder Activity: Sea Turtle Wheel -Watch Sea Turtle Video	Sea Turtle Video: https://www.youtube.com/watch?v=ZS0kXtmXuj8&feature=share
Week 9	Chapter 5: Primeval Reptiles Read pages 73-84	-Notebooking page -Folder Activity: Fossil Matchup -Make a fossil keychain	-Sand, clay, soil, shell, craft stick, plaster of paris, water, marker -Keychain hook
Week 10	Chapter 6: Fish Read pages 87-91	-Notebooking page -Folder Activity: Fish Diagram -Buoyancy Experiment & worksheet	-Tub of water & various items to sink or float
Week 11	Chapter 6: Fish Read pages 91-100	-Notebooking page -Folder Activity: Common Fish Shapes Wheel -Fish Experiment: Ectothermic worksheet -"Design your own Fish" worksheet	-Fish in a small bowl -Lamp with bendable neck -Bowl of ice water -thermometer
Week 12	Review/Wrap-up	-Make Fish Ornament/craft	-Round Ornament Bottle

		https://www.pinterest.com/pin/123497214758981516/ -Watch Sea Life Video	-sand/fish gravel -plastic Fish/ribbon/string
Christmas Break			
Week 13	Chapter 7: Sharks and Rays Read pages 103-110	-Notebooking page on Rays -Folder Activity: Ray Diagram fold-out -Watch "Jonathan Bird" video on Manta-Rays	-Glue, Manta Ray pattern -Video
Week 14	Chapter 7: Sharks and Rays Read pages 110-118	-Notebooking page on Sharks -Folder Activity: "How big are Shark's Teeth" comparison page	-view and compare various sized shark teeth -3 yellow 8 ½ x 11 pages, glue sticks, shark printouts, teeth cutouts
Week 15	Chapter 8: Crustaceans Read pages 121-132	-Notebooking page #1 on crustaceans -Folder Activity: Lobster diagram -View a Live Lobster -pass out crustacean research assignment	-diagram, glue sticks, scissors -Live Lobster -"2 cool facts" page to give out for homework
Week 16	Chapter 8: Crustaceans Read pages 132-138	-Notebooking page #2 on crustaceans -Folder Activity: Cool Facts, each kiddo reads their facts & kids write them down. -View Live Hermit Crab & watch video	-Hermit Crab -"Jonathan Birds Lobster and Hermit Crab" Video
Week 17	Chapter 9: Mollusks Read pages 141-147	-Notebooking page #1 on Mollusks -Folder Activity: Mollusks flap book -View various Mollusk shells (<i>look for holes made by Whelks</i>)	-Yellow construction paper/Mollusk cards, glue -Variety of shells -"Jonathan Bird and the Giant Clam" video
Week 18	Chapter 9: Mollusks Read pages 147-156	-Notebooking page #2 on Mollusks -Folder Activity: Conchology Research: researching various shells for age based on lines.	-Conchology Research page -Variety of Shells
Week 19	Chapter 10: Cephalopods Read pages 159-167	-Notebooking page #1 on Cephalopods -Folder Activity: Cephalopod Fan Book -Video on Cephalopods	-Cephalopod Fan Book Print outs, Glue, scissors
Week 20	Chapter 10: Cephalopods Read pages 167-170	-Notebooking page #2 on Cephalopods -Folder Activity: Octopus/Squid Venn Diagram -Jeopardy Game	-Venn Diagram -Jeopardy Questions
Week 21	Chapter 11: Echinoderms Read pages 173-183	-Notebooking page on Echinoderms -Folder Activity: Starfish Anatomy page -Make Borax or clay starfish -study and observe starfish	Star Fish video: https://www.youtube.com/watch?v=hk-Hl1gnEXA Make a Star Fish http://mypintervertures.com/baking-soda-dough-sea-art/
Week 22	Chapter 11: Echinoderms	-Notebooking page on Echinoderms -Folder Activity: Legend of the Sand Dollar -Study sand dollars & break them open	
Week 23	Chapter 12: Cnidarians Read pages 183-189	-Notebooking page on Cnidarians -Folder Activity: Polyps & Medusae -make Jellyfish Hats -video on Coral Reef (Big Blue World)	-Make each kiddo a jellyfish in a bottle craft -Jellyfish hats: clear shower cap, curling ribbon, tape
Week 24	Chapter 12: Cnidarians Read pages 190-199	-Notebooking page on Cnidarians -Folder Activity: clown fish/anemone & soft/hard coral flapbooks -Observe Coral & sponges	-video on sea sponge -pass out sea creature report map: student find info on any sea creature that interests them.

Week 25	Chapter 13: Other Interesting Aquatic Animals Read pages 201-216	-Notebooking Page -Folder Activities: Sponge diagram, Plant/Animal Matchup, & Micro Sea Creatures	-video on sea sponge continued -pass out real dried sea sponges to each student
Week 26	Wrap Up & Reports	-Work on lapbook Sea Animal Report -Each student picks a sea animal to research and begin their report on.	-one file folder per student; lapbook printables; various books on sea animals.
Week 27	Wrap Up & Reports	-Present Animal Reports -Play Review Game for whole year/Final Test/quiz	