

Unit Plan: The Ocean- 1st Grade Science

Day	Title	Activities	Objectives	TEKS	Resources
1	Introduction to The Ocean	Video: National Geographic- Under the Sea Have discussion about what was seen in the video. Make a list of different things that make up the ocean. Activity: Students will each complete an <i>In the Sea Book</i> that is pre-printed.	TLW identify animals that live in a natural source of water. TLW explain to peers what element was most interesting and why. TLW demonstrate their knowledge of the Ocean by constructing a personal book related to the elements.	112.12.7B	Video- http://www.youtube.com/watch?v=E67PJF ea4jo Whiteboard Markers Pre- Printed <i>In the Sea</i> books http://www.enchantedlearning.com/books/easy/sea/
2	Who lives in The Ocean?	Read: <i>A Sea of Animals</i> Ask students questions about the animals they heard about. Brainstorm some different animals that live in the Ocean. Activity: Each student will make a paper cup Octopus.	TLW name some animals that can be found in the Ocean. TLW interpret the differences among animals during discussion. TLW demonstrate their understanding by constructing an aquatic animal.	7B, 2A	Book: <i>A Sea of Animals</i> By: Janine Scott Supplies for Project: Paint Brushes Paper Cups Pipe Cleaners Goo glee Eyes Glue
3	What are some types of Fish?	Read: <i>Ocean Animals</i> pgs. 21-26 Demonstration: Show images of different fish. Discuss the images and get students feedback on images. Create group T-chart on what characteristics fish have. (Comparing <i>Some Fish vs. All Fish</i>) Activity: Have students classify fish using picture cards, into different categories.	TLW identify several fish from the Ocean. TLW interpret images of different fish during discussion. TLW classify types into categories by similarities and differences.	2A	Book: <i>Ocean Animals</i> By: June Randolph Images of Fish from Google Whiteboard Markers Picture Cards of Fish

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4	Habitats	<p>Display classifying transparency. Have students separate which animals can live in an aquarium at home and which live in the Ocean. (Whale can't live in aquarium at home but goldfish can) Read: <i>A Rock Pool</i> Activity: Students will make an Aquarium Paper Plate Diorama.</p>	<p>TLW identify habitats of aquatic animals. TLW explain why there are different habitats. TLW construct an Aquarium to show different habitats.</p>	3A,4A,9C	<p>Transparency Book: <i>A Rock Pool</i> By: Rachel Griffiths and Margaret Clyne</p> <p>Supplies for Project: Plastic baggies Construction Paper Paper plates Yarn Markers Glue Scissors</p>
5	Life Cycle of a Turtle	<p>Read: <i>One Tiny Turtle</i> Draw a flowchart on the board and map out the life cycle of the turtle from the story. Activity: Loggerhead Turtle Coloring page.</p>	<p>TLW tell the stages of a turtle's growth. TLW summarize the life cycle of a turtle. TLW show their understanding of the characteristic of a turtle by completing a coloring page.</p>	10D	<p>Book: <i>One Tiny Turtle</i> By: Nicola Davies</p> <p>Big Spiral Notebook Markers</p> <p>Turtle coloring page http://www.enchantedlearning.com/subjects/turtle/loggerheadsimple.shtml</p>
6	Starfish	<p>Read: <i>Starfish</i> Discuss the characteristics of a starfish and how it survives in the Ocean (Food and Home). Activity: Students will complete a writing assignment about starfish. Then illustrate with a picture.</p>	<p>TLW name the characteristics of a starfish. TLW interpret how a starfish survives in the Ocean. TLW show their understanding of a starfish by constructing a writing assignment.</p>	10A	<p>Book: <i>Starfish</i> By: Edith Thacher Hurd</p> <p>Lined notebook paper Pencils crayons</p>

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7	Review Day	Read: <i>What is it like to be a fish?</i> Discussion: Review different types of fish and their habitats. Activity: Students will complete 'Draw 4 Fish' Worksheet.	TLW remember previous knowledge by identifying different types fish. TLW explain the differences and similarities within the same species. TLW draw pictures using previous learned facts about fish.	2A, 2D	Book: <i>What is it like to be a fish?</i> By: Wendy Pfeffer Worksheet http://www.enchantedlearning.com/drawfour/fish.shtml
8	Project Assigned	Explain that groups of three students will be given a book about an animal that lives in the Ocean. Students will make a poster about their group's assigned animals. Go over requirements of what the poster must include. (Title, Pictures, Habitat and Food information) Handout Supplies. Students begin working on projects. Students give back all projects and materials at the end of the day.	TLW identify an aquatic animal. TLW convert their knowledge of ocean animals into a presentation. TLW construct a poster that shows how much they learned from the unit.	4A	Assortment of Books on aquatic animals Supplies for Project: Poster boards Glue Markers
9	Project	Go over requirements for poster again. Take students to computer lab to print out images of assigned aquatic animal. Handout materials and projects from previous day. Students will continue to work on project. Walk around and assist if needed.		4A	Images from Internet Research
10	Present Group Projects	Each group presents poster over assigned aquatic animal.		4A	