



Under the Sea

Literature Focus Unit

EDU: 315

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Literature Selection

Nonfiction:

- *The Fantastic Undersea Life of Jacques Cousteau* by Dan Yaccarino
- *National Geographic Little Kids First Big Book of the Ocean* by Catherine Hughes
- *Ocean: A Photocular Book* by Dan Kainen
- *The Ocean Book (Wonders of Creation)* by Frank Sherwin
- *Eye Wonder: Ocean* by Prentice Hall
- *Ocean Life from A to Z* by Cynthia Stierle
- *What Lives in the Ocean?: A Children's Non-Fiction Book* by Tonya Mickelson
- *Ocean Sunlight: How Tiny Plants Feed the Seas* by Molly Bang
- *The Ocean Alphabet Book* by Jerry Pallotta

Fiction:

- *The Rainbow Fish* by Marcus Pfister
- *The Magic School Bus on the Ocean Floor* by Joanna Cole
- *Way Down Deep in the Deep Blue Sea* by Jan Peck
- *Mister Seahorse* by Eric Carle
- *Fish Eyes: A Book You Can Count On* by Lois Ehlert
- *Commotion in the Ocean* by Giles Andreae
- *Wish for a Fish: All About Sea Creatures* by Bonnie Worth
- *I'll Follow the Moon* by Stephanie Lisa Tara
- *Swimmy* by Leo Lionni
- *One Fish Two Fish Red Fish Blue Fish* by Dr. Suess

Theme Study

- Students will take part in a thematic unit focusing on which animals and plant life live under the sea. This unit will integrate reading and writing with science, mathematics, social studies, art, music, and physical education.
- Students will develop an understanding of how sea creatures live and breathe underwater, what they eat for food, plant life and essential vocabulary terms.

Reading Standards

- RL.10: Actively engage in group reading activities with purpose and understanding.
- RI.1: Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for answers.
- W.5: With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, and editing.
- SL.1: Engage effectively in a range of collaborative discussions with diverse partners building on others' ideas and expressing their own clearly.

Language Arts: Reading Activities

- Students will participate in reading fiction, non-fiction, and poetry books about ocean and sea life. They will do this through reading to self, guided reading, partner reading, and re-telling of the story.
- Students will read their ocean stories and poems by either sharing them with a partner or reading them aloud to the class.
- Students will check out books about animal and plant life that can be found in the ocean during their weekly library time. The students will share one fun fact that they found in the book they checked out and read, with the class.
- Teacher will read aloud from *The Fantastic Undersea Life of Jacques Cousteau* by Dan Yaccarino.

Language Arts: Writing Activities

- Students will keep a poetry journal. They will write poems, copy text, and cut and paste poems from the book *Commotion in the Ocean* by Giles Andreae. They will illustrate each poem.
- Students will write concrete, acrostic, and wish poems and share them with a partner or the class and then add them to their poetry journals.
- Students will add ocean words to the Ocean Word Wall.
- Students will write Fishy Stories. They will choose a sea animal from a book and write a story about it. They will include the environment the animal lives in, what it eats, and how it protects itself. The students will illustrate their story.
- Students will make their own Guess Who? cards. They will write the names of different ocean animals on index cards and on the back of the card, they will write facts about their animal (e.g. where it lives, what it eats, what color/shape it is, is it a predator or prey?) When finished, the students will partner up and try to guess what the others animal is.
- Students will create sea animal fact books. They can choose which sea animal they want to research. They will list facts about their chosen animal in their books.
- Students will learn and document fill-in-the-blank facts about a certain animal that is chosen weekly by the class. The poster paper will be hung in the classroom.

Language Arts: Speaking Activities

- Students will use the author's chair to read their Fishy Stories and poems aloud.
- Students will play "What am I?" under the sea interactive PowerPoint game. They will read aloud clues about animals or plants found in the ocean to figure out the answer.
- Students will share one fun fact from one of their ocean themed library books with a partner or with the entire class.
- Students will participate in group discussions and brainstorming sessions about various sea life.
- Students will participate in partner reading and the re-telling of the story.
- Students will learn the lyrics and sing "The Five Oceans" song.

Language Arts: Listening Activities

- Students will listen to audio versions of ocean/sea literature.
- Students will listen as the teacher discusses ocean animals.
- Students will listen respectfully to their peers as they share their Fishy Stories, poems, and Guess Who? cards.
- Students will listen to songs like “Under the Sea” from *The Little Mermaid* and “The Five Oceans”.
- Students will listen to their peers when they are sharing stories and fun facts about sea creatures.

Language Arts: Viewing Activities

- Students will view videos on oceans and ocean life (see technology)
- Students will view photos and illustrations of ocean and plant life.
- Students will view the ocean-inspired artwork created by their peers.
- Students will view the Ocean Word Wall.
- Students will view an aquarium through a virtual tour.
(www.adventureaquarium.com)

Language Arts: Visually Representing Activities

Standard 6: connections - students make connections between the visual arts and other disciplines.

- Students will create a Ocean Word Wall.
- Students will create sea animal fact books. They can choose which sea animal they want to research. They will list facts about their chosen animal in their books. Students will display their ocean animal fact books in the reading corner for other students to read.
- Students will create ocean food links for plants and animals. They will be displayed in the classroom. (see Science activities)
- Students will create various sea animals to be displayed on the class bulletin board (see Art activities)

Science Activities

Standard: 2-LS4-1 - Make observations of plants and animals to compare the diversity of life in different habitats.

- Students will learn how ocean plants and animals interact with the sun and with each other to live and grow. They will then create ocean food links for plants and animals.
- Students will use a website to track the movements of sharks and then will transfer the information they have learned onto a map located in the classroom by using push pins. (see Technology)
- Students will experiment with creating waves of varying sizes and learn about wave height and wavelength.
- Students will learn about the life cycle of different sea animals. They will label the parts of the cycle on a work sheet.
- Students will work together as a class to create a graphic organizer of different sea animals. They will answer and document questions such as where does this animal live, what does it eat, and any special features of this specific animal (e.g. cold blooded) on giant post-it paper. The paper will be displayed in the classroom and any additional facts the students find can be added to the organizer but they must discuss their findings with the class prior to documenting them on the paper.

Mathematics Activities

Standard: 1.OA.1 Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem

- Students will take a survey on their likes/dislikes of various ocean animals and will then graph the results.
- Students will do Catch of the Day word problems during one of their Daily 5 activities.
- Students will play Go Fish to get as many pairs of cards as they can that total 10. In groups of 2-4 and one deck of cards, each student will have 5 cards and the rest will be face down in the middle of the group. Each student will use their addition skills to find the sum of 10. Whoever has the most pairs of cards that equal 10 will win that round.
- Students will play Spin the Sea Animal by spinning 10 times and tally their results. They will then graph the information.
- Students will roll the dice and add up the numbers. They will then color the fish with that corresponding number on their worksheet.
- Students will work on greater than and less than with goldfish crackers and a laminated work sheet that they can erase and reuse.
- Students will use measurements of various sea life to compare and contrast whale size to other mammals.

Social Studies Activities

Standards: 3.1.3 Use a variety of resources (e.g., maps, charts, bar graphs, Internet, books) to gather information about people, places, and events

- Students will complete a Venn Diagram comparing and contrasting whales and fish.
- Students will map the geographic location of marine mammals on a bulletin board.
- Students will compare the geographic environment of where different marine mammals live (e.g. compare fish that live in the Pacific Ocean to the fish that live in the Atlantic Ocean)
- Students will create a scrapbook filled with pictures (drawn or cut out from magazines) that document their dream sea adventure and the animals they see there.
- Students will watch a video on Marine Biologists. (See technology)
- Students will discuss what makes an animal endangered. (e.g. seal and sea lion fur trade.)

Music and Art Activities

Standard 6: Connections - students make connections between the visual arts* and other disciplines.

Standard 8: Music and Other Disciplines - students understand the relationship between music, other arts, and other disciplines.

- Students will create various ocean animals out of paper plates.
- Students will use a variety of art materials for marine animal and plant life decorations for the classroom.
- Students will use their hand prints to create different ocean animals.
- Students will listen to various marine life sounds.
- Students will listen to and sing along with 'Under the Sea' from *The Little Mermaid*.
- Students will learn a song about whales (set to the tune of "Are You Sleeping?") and create actions to go along with it. They will visit different classrooms within the school to perform the song.
- Students will pick a sound a sea creature makes (e.g. crab claws) and create instruments from various materials and then perform in front of the class.

Physical Education Activities

Standard 3: The individual demonstrates the knowledge and skills to achieve and maintain a health-enhancing level of physical activity and fitness.

- Students play Under the Sea with the giant parachute and they will pretend to be fish.
- Students will play Ocean Rescue game, practicing their throwing skills. The class will be divided into two groups. One group will be the “sailors” and the other group will be the “rescuers”. The rescuers will throw a ball to the sailors, if the ball is caught the sailor will join the rescuer side and this will continue until all of the students are rescued and lined up on the sailors side.
- Students will participate in Sponge Bob Day, they will complete various activities at each fitness station while listening to music from the Sponge Bob Squarepants show.
- Students will play predator vs prey tag game. Four students will be the predators and they will be trying to tag the rest of the students who are the prey. Once the student that is the prey is tagged, they will join the predators to try and catch (tag) more prey.
- Students will play Shark Attack, a game that practices jumping skills. Students will use various jumps (hopping, leaping, and 1-to-2 foot jumps) to move from spot to spot (hula hoops or poly spots can be used) without touching the floor, where the sharks are.

Technology

- “Magic School Bus on the Ocean Floor” video
- “The Living Sea” video
- Audiotapes of recommended marine life literature
- Digital photography
- Newspapers and magazines
- www.adventureaquarium.com
- <http://www.ocearch.org/>
- <http://video.nationalgeographic.com/video/magazine/my-shot-minute/ngm-under-the-sea-msm>
- http://www.jimirock.com/main.php?visitor_site=2
- http://www.youtube.com/watch?v=GC_mV1lpjWA
- <http://www.youtube.com/watch?v=9IAQTtXqcNA>

Language Arts Strategies

- **Activate Background Knowledge:** students will think about their knowledge and prior experiences related to ocean and plant life.
- **Brainstorming:** students will brainstorm ideas about ocean life for their writing assignments.
- **Connecting:** students will relate information they have learned about the ocean to their own underwater experiences.
- **Draw Inferences:** students will use clues in text and their background knowledge to deepen their understanding about the ocean with oral, written, and visual texts.
- **Elaborate:** students will add details and examples to develop ideas more completely in projects they're creating.
- **Generate:** students will brainstorm topics, ideas, or vocabulary words for a project.
- **Organize:** students will create a structure for the ideas they're developing in oral, written, and visual projects.
- **Playing with Language:** Students will use marine life language in their poetry and essays.
- **Revise:** students will make changes to clarify and extend meaning in their written and visual presentations.
- **Note Taking:** students will write big ideas and draw diagrams to highlight information about ocean and plant life and to access that information easily.
- **Visualizing:** students will create visual images in their minds when reading stories.

Grouping Patterns

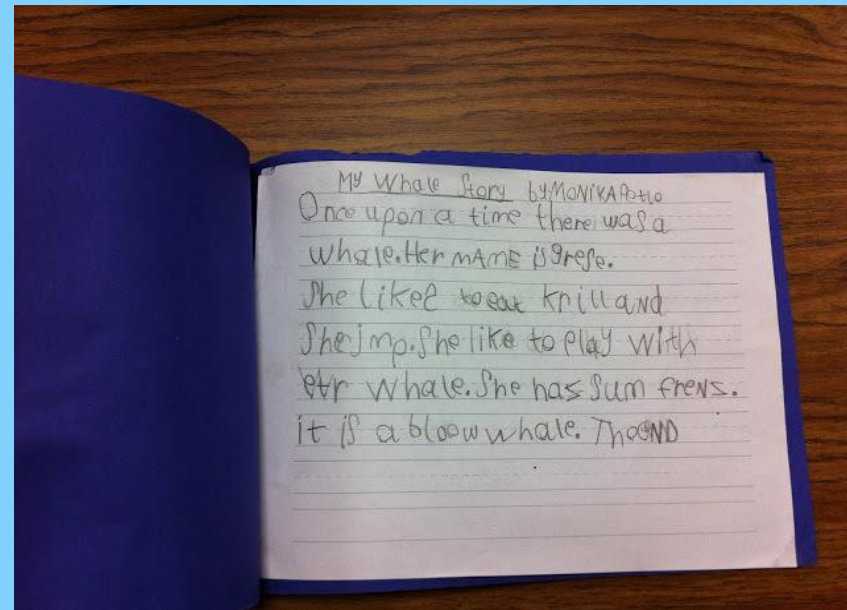
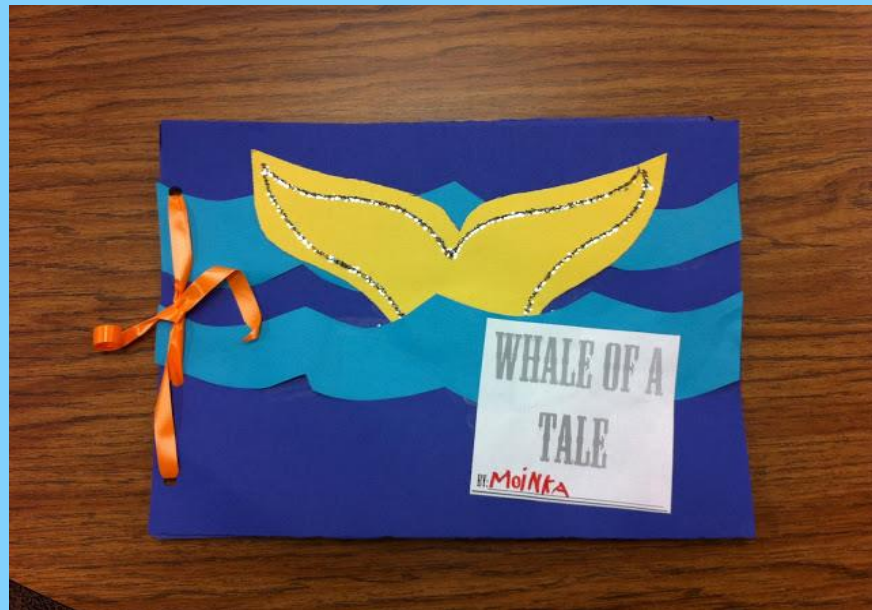
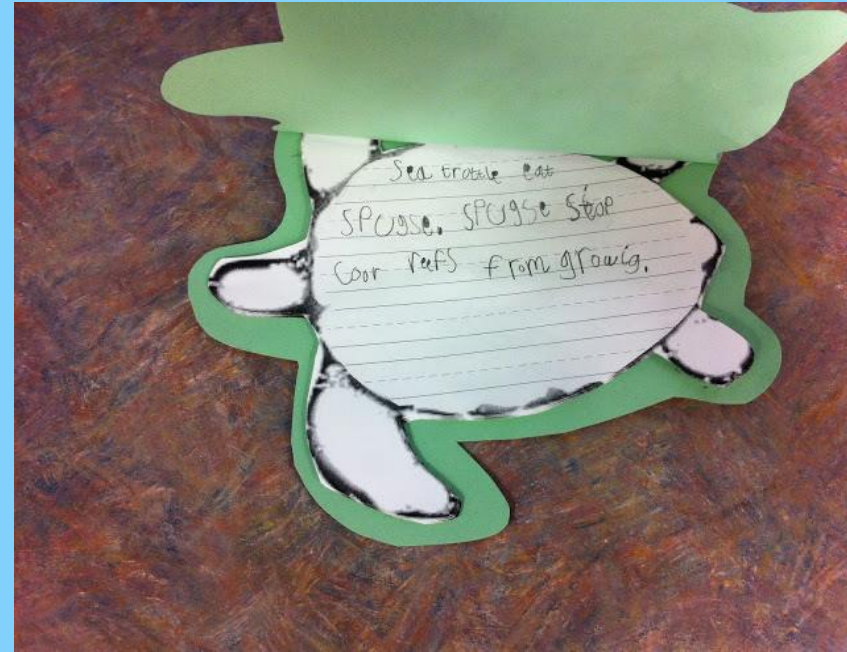
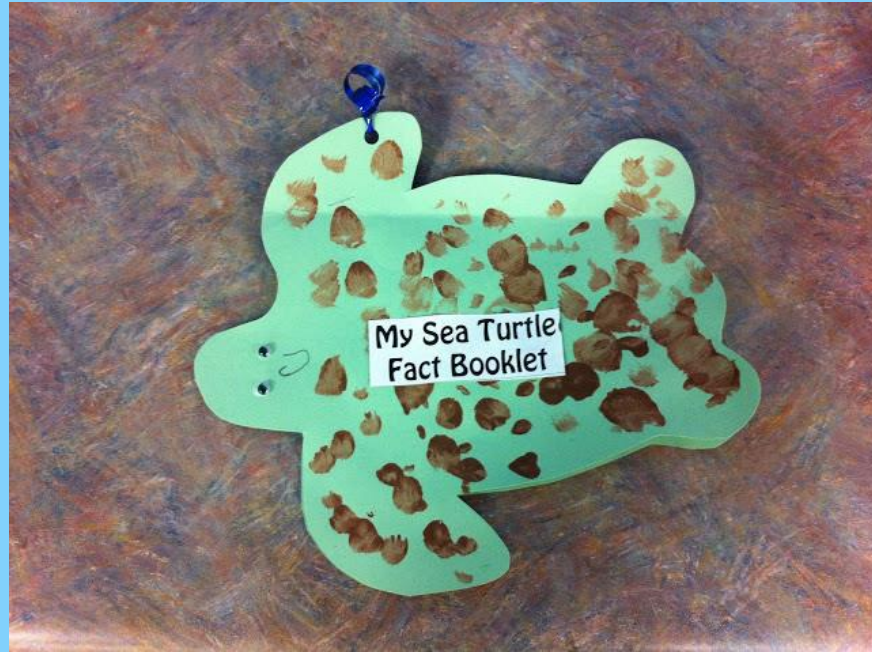
- Independent work: writing stories, poems, scrapbook, journal entries, creating artwork, life cycle worksheet, mathematic worksheets.
- Small group work: small group discussions, turn and talk brainstorms, library book fun fact share, Guess Who? fact cards.
- Large group work: class reading, story/poem sharing, classroom bulletin board, music lessons, PE lessons, brainstorming and discussions.

Assessments

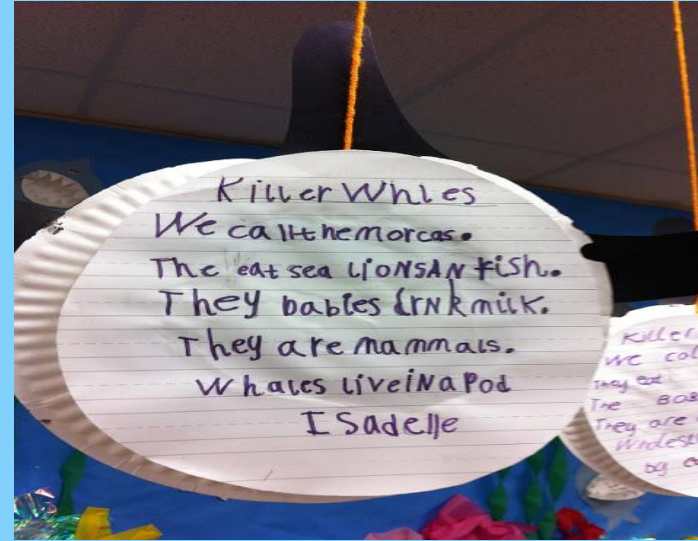
- Participation in brainstorming and discussions
- 6 + 1 Writing Trait Assessment
- Journal entries, poems, KWL chart: Rubric
- KWL formative assessment
- Spelling tests with words from Ocean Word Wall
- Poetry numerical score
- PE skills checklist
- Rubric – food link (science)
- Summative: sea animal fact book; fishy stories
- Math graphs, Venn Diagram, and Social Studies map: checklist
- Portfolio of artwork: paper plate ocean animals, various ocean animal artwork, hand print activity.

	Subject	Monday	Tuesday	Wednesday	Thursday	Friday
AM	Language Arts	<ul style="list-style-type: none"> Teacher read aloud of <i>The Fantastic Undersea Life of Jacques Cousteau</i> Group discussion of ocean life 	<ul style="list-style-type: none"> Write Fishy stories and poems for poetry journal Read to self or partner 	<ul style="list-style-type: none"> Make Guess Who? Cards Research ocean animal for fact book 	<ul style="list-style-type: none"> Library book partner share Ocean Word Wall Spelling test 	<ul style="list-style-type: none"> Share Fishy stories and one poem Read to self or partner
	Physical Education	<ul style="list-style-type: none"> Play Go Fish! 	<ul style="list-style-type: none"> Play Shark Attack 	<ul style="list-style-type: none"> Play Ocean Rescue 	<ul style="list-style-type: none"> Play Under the Sea with parachute 	<ul style="list-style-type: none"> Sponge Bob theme day!
	Science	<ul style="list-style-type: none"> Visit shark tracking website, mark locations on map Begin to study life cycle 	<ul style="list-style-type: none"> Shark tracking Continue life cycle study 	<ul style="list-style-type: none"> Shark tracking Food links for plants and animals 	<ul style="list-style-type: none"> Shark tracking Life cycle worksheet Virtual aquarium field trip 	<ul style="list-style-type: none"> Shark tracking Experiment waves height and size
PM	Mathematics	<ul style="list-style-type: none"> Survey on likes/dislikes of ocean animals, graph results 	<ul style="list-style-type: none"> Catch of the day word problems 	<ul style="list-style-type: none"> Spin the Sea Animal game and graphing 	<ul style="list-style-type: none"> Ocean addition and subtraction worksheet 	<ul style="list-style-type: none"> Dice math game Greater than and less than goldfish cracker worksheet
	Art/Music	<ul style="list-style-type: none"> Listen to various marine sounds Paper plate ocean animals 	<ul style="list-style-type: none"> Listen to "Under the Sea" Create instruments and demonstrate them 	<ul style="list-style-type: none"> Ocean animal decorations for bulletin board 	<ul style="list-style-type: none"> Hand print art 	<ul style="list-style-type: none"> Free choice art activity Student choice listening music
	Social Studies	<ul style="list-style-type: none"> Discuss endangered species Map geographic locations of marine 	<ul style="list-style-type: none"> Compare and contrast whales and fish with Venn Diagram 	<ul style="list-style-type: none"> Watch movie on Marine Biologists 	<ul style="list-style-type: none"> Watch Under the Sea National Geographic video 	<ul style="list-style-type: none"> Magic School Bus video

Sea Animal Fact Book



Paper Plate Animals



Hand Print Art Activity

