



THE DOUGLASTON SCHOOL
2016 National Blue Ribbon School
PS 98Q
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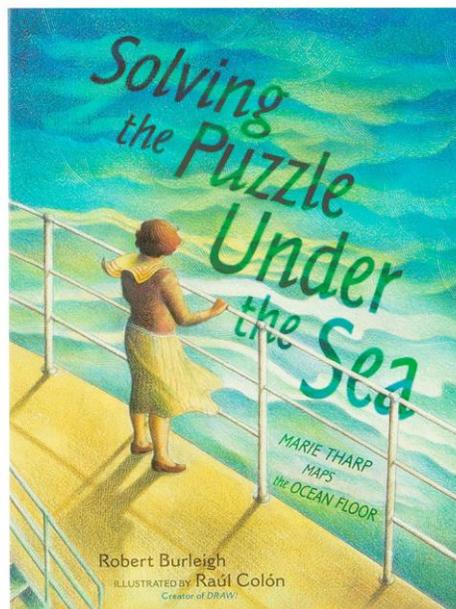
Lena Kim, Principal

Diana Gautier, A.P.

March 2017

Dear PS 98 Families,

In celebration of March's Women's History Month, our book selection is *Solving the Puzzle Under the Sea* by Robert Burleigh and illustrated by Raul Colon. This illustrated biography shares the story of female scientist, Marie Tharp, a pioneering woman scientist and the first person to ever successfully map the ocean floor. Her father was a mapmaker, and he taught Marie to "think big." In the beginning of her career, she was one of few female scientists and she was not taken seriously. She decided that she wanted to do something that nobody had ever done before; she was going to map the ocean floor! Many other scientists had tried this before but were unsuccessful. For Marie though, it was like piecing together an immense jigsaw puzzle, and she helped us better understand the planet we call home. Marie Tharp used her imagination and perseverance to successfully follow her dreams. In honor of Marie Tharp, keep thinking big and always believe in yourself. Happy reading!



Sincerely,

Book of the Month Team



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Questions organized by Revised Bloom's Taxonomy of Higher Order Thinking

Although there are grade band denotations, we found that some questions would be appropriate for all students

Bloom's Taxonomy Level	Possible Questions/ Thinking Maps	
	Grades K-2	Grades 3-5
Remember: Recognize, recall, locate, identify	How would you describe Marie Tharp? Use a bubble map to describe Marie with adjectives and support it with evidence from the story.	How would you describe Marie? Use evidence from the story to support your idea.
Understand: Clarify, summarize, paraphrase, represent, predict, compare	What caused Marie Tharp to become fascinated by the oceans?	What caused Marie Tharp to become fascinated by the oceans?
Apply: Use procedure in a given situation, carry-out or use with unfamiliar task	Why does Marie Tharp develop a love of cartography? Create a partial multi-flow map to describe what caused her to love map-making.	Why does Marie Tharp develop a love of cartography? How does this hobby help her become a successful scientist? Create a multi-flow map to show the causes and effects.
Analyze: Break into parts, distinguish, organize, outline, deconstruct	Other scientists, who were mostly males, refused to believe Marie's theory of continental drift. According to the book, "They question everything." Why do you think scientists question everything?	How would you describe Marie's theory of continental drift? Why do you think so many scientists refused to believe her? What evidence did Marie find to support her theory?
Evaluate: Make judgments based on criteria, critique	How do you think Marie Tharp felt when male scientists told her she couldn't go out on the boats that measured the ocean's depth? How would you feel?	How do you think Marie Tharp felt when male scientists told her she couldn't go out on the boats that measured the ocean's depth? How would you feel?
Create: Reorganize elements into new patterns, design, construct, produce	Marie Tharp followed her dreams and "thought big." What are your dreams? Create a circle map to help you "think big!"	Marie Tharp followed her dreams and "thought big." What are your dreams? What are some challenges you might face? How will you overcome those challenges?