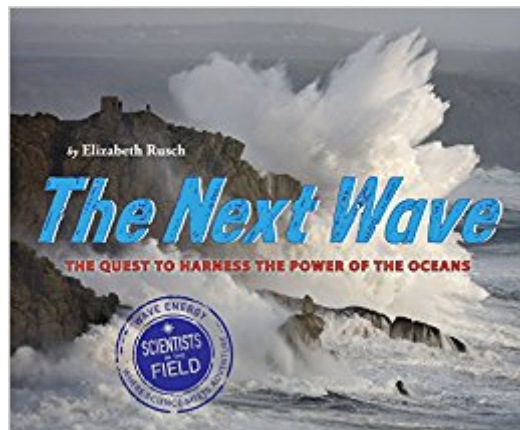




Ebook Directory
the best source of ebook

The book was found

The Next Wave: The Quest To Harness The Power Of The Oceans (Scientists In The Field Series)



Synopsis

Journey to the wave-battered coast of the Pacific Northwest to meet some of the engineers and scientists working to harness the punishing force of our oceans, one of the nature's powerful and renewable energy sources. With an array of amazing devices that cling to the bottom of the sea floor and surf on the crests of waves, these explorers are using a combination of science, imagination, and innovation to try to capture wave energy in the hopes of someday powering our lives in a cleaner, more sustainable way.

Book Information

Lexile Measure: 1070 (What's this?)

Series: Scientists in the Field Series

Hardcover: 80 pages

Publisher: HMH Books for Young Readers (October 14, 2014)

Language: English

ISBN-10: 0544099990

ISBN-13: 978-0544099999

Product Dimensions: 11 x 0.4 x 9 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #584,010 in Books (See Top 100 in Books) #59 in Books > Children's Books > Education & Reference > Science Studies > Electricity & Electronics #134 in Books > Children's Books > Science, Nature & How It Works > Inventions & Inventors #140 in Books > Children's Books > Sports & Outdoors > Water Sports

Age Range: 10 - 12 years

Grade Level: 5 - 7

Customer Reviews

Gr 5-8 "Rainforests and savannahs, coral reefs and tundra" readers are most likely familiar with these fields in which scientists work. But this time, it is the energy of the physical movement of the global ocean that is the field, and here in this world of watery physics, a series of imaginative, innovative engineers have been designing, building, and experimenting to successfully harness this inexorable surge of energy. Rusch's readable text follows three very varied groups of visionary engineers on this quest: Mike Morrow and Mike Delos-Reyes (who are working on a device that will allow people to sit upon the ocean floor), Annette von Jouanne and her team (working on a floating

design), and the cofounders of Ocean Power Technologies, the first to win a permit to generate "ocean electricity" to be marketed to homes and businesses on the Oregon coast. Included are sidebars on a rich variety of topics such as "Working with Watts" and a global inventory of "Wild Wave Inventions of the World." Colorful diagrams and a plethora of photos provide visual stimulation as well. This pellucid look into a promising field of alternative energy (so needed in a warming world) and into the scientists devoting their lives to bring concept into reality is informative, intriguing, and inspiring.â "Patricia Manning, formerly at Eastchester Public Library, NY

* "Lively design, clear explanations, text boxes, photographs and diagrams all contribute to an informative look at how people are working right now to find ways to use a previously inaccessible energy source."â "Kirkus, starred review "Rusch fully explores the engineering process, capturing the determined, entrepreneurial spirit of the profiled engineers as well as the need for creative problem-solving and ingenuity, a test-and-retest mentality, a high tolerance for failure, and perseverance through the quest for research funding."â "Horn Book Magazine * "This pellucid look into a promising field of alternative energy (so needed in a warming world) and into the scientists devoting their lives to bring concept into reality is informative, intriguing, and inspiring."â "School Library Journal, starred review"Kids who imagine an engineering career in their future will want to explore this timely work."â "Bulletin"Rusch once again looks at the convergence of science and technology. Writing clearly about the engineers' trial-and-error methods, she conveys the importance of testing, the necessity of funding, and the satisfaction of working toward a worthwhile goal." A fine choice for young people intrigued by engineering and oceanography!"â "Booklist OnlineÂ

A very interesting book. Easy to understand for the scientifically/ engineering challenged. It is good to show students how important their school projects and ideas can become. I donated the book to a local school where it was warmly received.

My son read this book at school and can't stop talking about it. Now he is very interested in green energy and creating similar devices as those discussed in the book. He asked me to purchase a copy to have at home and now I'm looking forward to reading it myself. We are also purchasing some other books from the series.

[Download to continue reading...](#)

The Next Wave: The Quest to Harness the Power of the Oceans (Scientists in the Field Series)

Wave Scattering from Rough Surfaces (Springer Series on Wave Phenomena) Electromagnetic Wave Propagation, Radiation, and Scattering: From Fundamentals to Applications (IEEE Press Series on Electromagnetic Wave Theory) The 5th Wave: The First Book of the 5th Wave Series Park Scientists: Gila Monsters, Geysers, and Grizzly Bears in America's Own Backyard (Scientists in the Field Series) The Bat Scientists (Scientists in the Field Series) The Polar Bear Scientists (Scientists in the Field Series) Crystal Grids Power: Harness The Power of Crystals and Sacred Geometry for Manifesting Abundance, Healing and Protection Oceans: A Scientific History of Oceans and Marine Life (Discovering the Earth) Going Blue: A Teen Guide to Saving Our Oceans and Waterways: A Teen Guide to Saving Our Oceans, Lake Harness the Sun: America's Quest for a Solar-Powered Future Ghost Wave: The Discovery of Cortes Bank and the Biggest Wave on Earth Ghost Wave: The True Story of the Biggest Wave on Earth and the Men Who Challenged It Mastering Elliott Wave: Presenting the Neely Method: The First Scientific, Objective Approach to Market Forecasting with the Elliott Wave Theory (version 2) Stronger Than Steel: Spider Silk DNA and the Quest for Better Bulletproof Vests, Sutures, and Parachute Rope (Scientists in the Field Series) Quest for the Tree Kangaroo: An Expedition to the Cloud Forest of New Guinea (Scientists in the Field Series) The Quest for the Tree Kangaroo: An Expedition to the Cloud Forest of New Guinea (Scientists in the Field Series) Water Wave Mechanics for Engineers & Scientists (Advanced Series on Ocean Engineering-Vol2) (v. 2) Celtic Myth & Magick: Harness the Power of the Gods and Goddesses (Llewellyn's World Religion and Magic Series) Effective JavaScript: 68 Specific Ways to Harness the Power of JavaScript (Effective Software Development Series)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)