

CATCH A Wave

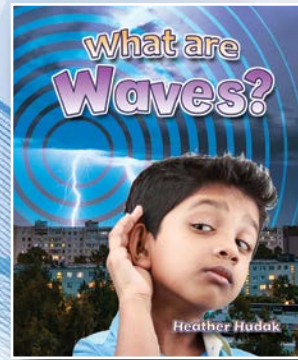
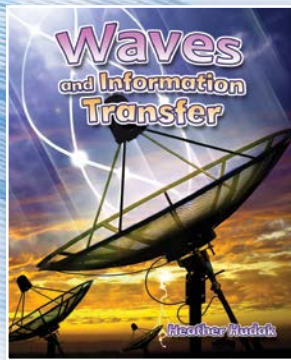
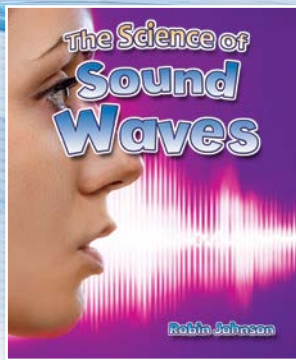
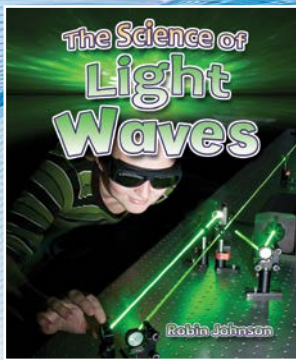
Supporting NGSS, the Catch a Wave series focuses on the properties and uses of waves in our world. Clearly explaining the relationships between waves and their properties, each title helps readers explore how waves can be manipulated in order to hear, see, and understand information. Real-world examples, clear diagrams and vibrant images, and question boxes help readers make connections and understand concepts.

A link printed inside each book gives readers access to **Crabtree Plus**, a secure website with supplemental digital content, including engaging simulations and interactive activities that reinforce and extend key series' concepts.

Specifications:

Reading Level: Grade 4
Interest Level: Grades 3-6
32 pages, 8½ x 10¾", full color

\$20.70 RLB
\$8.95 PAP



The Science of Sound Waves by Robin Johnson

This engaging book describes the properties of sound waves, how they move, and the way our ears catch them. Readers will learn how sound waves travel through different mediums and be amazed by the different ways sound waves are used in real life, such as for communication with animals and deep-sea exploration. A link to interactive activities online plus an activity in the book allow readers to experiment with sound waves to achieve different sounds.

ISBN 978-0-7787-2941-9 RLB ISBN 978-0-7787-2966-2 PAP
ISBN 978-1-4271-1855-4 eBook

The Science of Light Waves by Robin Johnson

This engaging book describes the properties of light waves, how they move, and the way our eyes receive them. Readers will learn that we see an object when light reflects from its surface and into the eye. A link to interactive activities online plus an activity in the book allow readers to create models that explore how to redirect and block the path a light wave travels.

ISBN 978-0-7787-2944-0 RLB ISBN 978-0-7787-2968-6 PAP
ISBN 978-1-4271-1856-1 eBook

Waves and Information Transfer by Heather Hudak

In this fascinating title, readers explore how light and sound waves transfer information. From telescopes that extend our sense of sight to satellites that help us communicate across large distances, patterns of waves transfer information in many ways. A link to interactive activities online plus an activity in the book allow readers to use what they have learned about waves to engineer wave patterns that communicate across distances.

ISBN 978-0-7787-2962-4 RLB ISBN 978-0-7787-2970-9 PAP
ISBN 978-1-4271-1857-8 eBook

What Are Waves? by Heather Hudak

This exciting title introduces readers to the concept of a wave and the patterns and properties common to both light and sound waves. Clear text and detailed diagrams combine to demonstrate the cause-and-effect relationships involved in the properties of amplitude, wavelength, and frequency. A link to interactive activities online plus an activity in the book allow readers to explore key concepts close up by creating their own wave models.

ISBN 978-0-7787-2964-8 RLB ISBN 978-0-7787-2972-3 PAP
ISBN 978-1-4271-1858-5 eBook



- Supports Next Generation Science Standards (4-PS4-1, 4-PS4-2, 4-PS4-3: Wave Properties) and Common Core Standards for Reading Informational Text and Writing
- Collaborative projects support learning and question boxes encourage readers to interpret textual evidence and consider real-world applications

