



What Makes a Magnet?

Franklyn Mansfield Branley , True Kelley (Illustrations)

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How does a magnet work? Why does a magnet pick up a paper clip but not a leaf or a penny? How can the whole world be a magnet? Read and find out more about how magnets work!

Franklyn M. Branley's classic text is seamlessly updated by NCTE Orbis Pictus Award Honoree Carolyn Cinami DeCristofano in this reissue. Now rebranded with a new cover look, this book features rich vocabulary, fascinating sidebars and diagrams by artist True Kelley, and a find-out-more section with a glossary and step-by-step instructions on how to make your own magnet and find magnetic technology in the world around you! The art and text for this new edition was vetted by Dr. Zoran Ninkov, Professor of Astrophysical Sciences and Technology, Chester F. Carlson Center for Imaging Science, Rochester Institute of Technology.

This is a Level 2 Let's-Read-and-Find-Out Science title, which means the book explores more challenging concepts for children in the primary grades and supports the Common Core Learning Standards, Next Generation Science Standards, and the Science, Technology, Engineering, and Math (STEM) standards. Let's-Read-and-Find-Out Science is the winner of the American Association for the Advancement of Science/Subaru Science Books & Films Prize for Outstanding Science Series.

What Makes a Magnet? Details

Date : Published February 2nd 2016 by HarperCollins (first published July 19th 1996)

ISBN : 9780062338013

Author : Franklyn Mansfield Branley , True Kelley (Illustrations)

Format : Paperback 32 pages

Genre : Science, Childrens, Nonfiction, Picture Books, Physics

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Tim says

informational, magnets, constructing a magnet, how-to, illustrations, what attracts/not attracts to magnets,

Julian Franklin says

This book is about a little girl who explores what a magnet can do and how it is made. She learns that magnets can only pick up metal and that compasses are based on the magnetic pole of the earth. This book provides information in an easy to understand way. For this lesson, I would conduct a science experiment. I would have a chart that had several objects with a column for the student to list if the object is magnetic and a "why" column. After conducting the experiment, the students would have to explain why the object was magnet. This activity would build vocabulary and comprehension.

Heather Meeks says

I think this book does a great job at challenging children to think about different things that would stick to a magnet. I like how it shows the children how to make different things. I would likely not use this book much in my classroom, but there is a small possibility.

Kalynda says

While this book is a nonfiction book about magnets, it starts out in story formation, "Let's go fishing with a magnet". From there it carries the fishing theme for a bit, exploring what magnets do, then leading to other types of magnets, including the Earth, the components of a magnet, and magnetic stones used in history.

Sarah Wurster says

What Makes a Magnet is a great non-fiction book about magnets. Within the book, you learn about more than just magnets. You learn how to make your own magnet, how to make your own compass, that the Earth is a giant magnet & the moon is not, and that magnets have a north and south pole. I really like how this book allows the reader to create their own magnet and compass from items that can be found around the house. I also enjoyed the part of the book that it gave the history of where magnets originated from and how the rock, magnetite was used to make the first compasses. I would definitely recommend this book to a student that is interested in magnets as well as use it with my classroom when teaching students about magnets.

Jean-Marie says

This is the perfect picture book to introduce magnets to a young student. It includes instructions for a few easy activities, like magnetizing a needle and making a compass. The illustrations complement the copy well.

Rita says

This book can be used to teach students about magnets. The students can make predictions about what objects are attracted to magnets. This book also explains the properties of magnets in terms that students will understand.

Brittney says

"What Makes a Magnet?" is a very informative book. It is a wonderful book for curious students. It takes the reader on an informational lesson on magnets. I would use this book in my classroom for a science project.

Betty Kim says

This book is a fun book to read to the students before the lesson related to 'magnet'. The teacher can make students to predict which objects can be attracted to the magnet by listing the objects such as a penny, a dime, rubber bands, piece of paper etc. that mentioned in the book.

Kaila says

I used this text as a read aloud during science ! This book selection made teaching easy that day! The students will enjoy it and gain some prior knowledge before whole group!
You can also put it in a center for reading!

Christine says

This book explains how magnets work. It shows different things that can and can not be picked up with magnets. Would be great for a lesson that involved magnetism.

Janice Redding says

This is a great book to read to first graders while doing a unit on magnets. It talks about science terms such as attract and repel. In addition, it talks about how different things that magnets can attract. I can implement a fun activity where the students can test out different items and demonstrate how magnets attract. I think this would be a good book for students to learn about magnets and the different types.

Maleigha says

students will explore the properties and behaviors of magnets as they read this engaging book. During my first grade placement last week, I used this book to guide my students into creating an experiment. They went home and found some sort of plastic bottle and filled it with water, they put objects inside such as a paperclip, eraser, and nail. They then brought them into class where we experimented to see which objects a magnet would pick up when the student ran it across the outside of the bottle. This book was very helpful and my students loved it!

Courtney Barter says

What Makes a Magnet? by Franklyn M. Branley explains the way that magnets work. It also gives examples of how to make your own magnets. This book connects something as small as a tiny magnet to the Earth that acts as a huge magnet. This helps children make connections to their world. As I was reading this book, I was learning things I also did not know as an adult. I believe this book would be quite useful for children to learn about the scientific process of how magnets work. Non-fiction.

Teri says

One of the best Read and Find Out Science books yet. NOT A BEDTIME STORY BOOK--but a read ahead of time and set the experiments up kind of book. For sure don't let your kids read the experiments without doing them, let them discover the answers themselves and THEN read the book as a discussion for what they've done. SUPER FUN! We especially liked making a temporary magnet out of a needle and floating it on water to see that it acts as a compass! What kids (and adults) don't love playing with magnets?!
