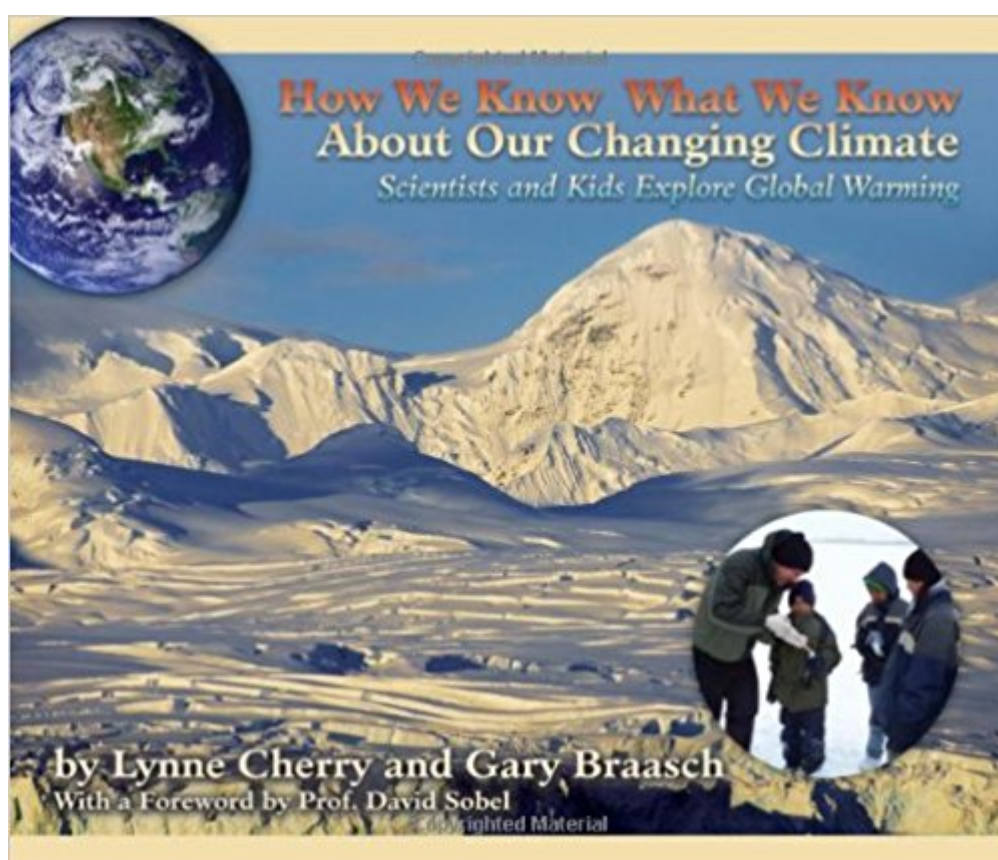


The book was found

How We Know What We Know About Our Changing Climate: Scientists And Kids Explore Global Warming (About Our Changing Climate)



Synopsis

When the weather changes daily, how do we really know that Earth's climate is changing? Here is the science behind the headlines - evidence from flowers, butterflies, birds, frogs, trees, glaciers and much more, gathered by scientists from all over the world, sometimes with assistance from young "citizen-scientists." And here is what young people, and their families and teachers, can do to learn about climate change and take action. Climate change is a critical and timely topic of deep concern, here told in an age-appropriate manner, with clarity and hope. Kids can make a difference! This book combines the talents of two uniquely qualified authors: Lynne Cherry, the leading children's environmental writer/illustrator and author of *The Great Kapok Tree*, and Gary Braasch, award-winning photojournalist and author of *Earth Under Fire: How Global Warming is Changing the World*.

Book Information

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Customer Reviews

Veteran science writer Cherry and award-winning photographer Braasch team up to make climate change less frightening by showing children how to empower themselves as "citizen-scientists." Cherry begins with a no-nonsense chapter about hypotheses and theories, facts versus belief. She goes on to explain how observation can help bring about climate-change strategies; the information about children involved with Project Budburst is particularly interesting. Along the way, there are examples of how nature is changing—from migrations to melting icecaps to rising coastlines—and how

these changes have been observed. The second section, "Fitting the Clues Together," considers what scientists do with their information and notes successes that have been achieved (for example, species saved and reduction of carbon footprints) and ways kids can help reduce energy. The can-do emphasis helps to make the topic less depressing, and the intriguing color photographs are thoughtful and upbeat. Many scientists were called upon during the writing of this book, and it shows. Grades 4-7. --Ilene Cooper

"This is a necessary book. It treats kids with respect . . . In a word, it's empowering!" --Bill McKibben, author, *The End of Nature and Deep Economy*

My brother loved it, he's 11. It was great because it was on a more educational level and not very childish, but easy to follow.

on the right side of truth but no big contribution

I read several for my environmental public health and geology courses and this one for my 10 year old was the best of all. I actually learned several things in regards to decades of studies in ornithology (bird behaviors & migration), Lepidoptera (butterfly migratory patterns), Herpetology (frog extinction), and more. Very interesting for all readers.

Great book

I purchased the book to serve as a reference for my First Lego League robotics team as our 2008 challenge is about climate and global warming. The text and format are engaging and the photos are awesome. As a former teacher, I can see how this could serve as an effective instructional tool and informational resource for teachers and students.

It was a very enlightening book, but I found some of the information to be one-sided. I would love to buy another book with another point of view to compare if it's man-made, or just another cycle in Earth's history. Still, it's a beautiful book with many good things in it.

How We Know What We Know About Our Changing Climate: Scientists and Kids Explore Global Warming is a nonfiction science book for young people about a hot-button modern issue. Written

with the assistance of top scientists in the field, *How We Know What We Know About Our Changing Climate* goes into depth on climate science. Though *How We Know What We Know About Our Changing Climate* is lavishly illustrated with full-color photographs throughout, its meticulous attention to detail and mere quantity of text is well beyond that of an ordinary picturebook, making it best suited for young adults teenagers, and even curious adults. "Ornithologists were finding that birds were arriving earlier and changing their range - the places animals or plants can be found year after year... But why, they wondered, were these changes happening?" Of particular interest is the final "What You - and a Million Kids - Can Do" section, which lists positive ways kids can help the environment and reduce their carbon footprint, such as recycling, using compact fluorescents instead of light bulbs, minimizing use of appliances and unplugging those not needed, eating less meat, buying less, and getting involved in the community. Highly recommended especially for public and school library collections.

In a unique partnership, photojournalist Gary Braasch, and children's author Lynne Cherry have teamed up to fill a gap in the myriad of books coming out about global warming. This book focuses on students as a vital part of the research teams assisting scientists in documenting the changes in our environment. The book is a pleasure to read with all its beautiful pictures and clearly explained concepts. The first section of the book is about where clues about climate change are found. Students are featured gathering data about migrating birds and butterflies, the changing of the seasons, water quality and flow, tree growth, plant diversity and range, and frog populations. Clues are explained such as tree rings, levels of carbon dioxide, changes in penguin and polar bear habitats, melting glaciers, rising ocean levels, and information gathered from mud and ice samples. In the second section, the focus is on the interconnectivity of all life. Hypotheses are presented with graphs and other visuals to explain some of the effects we are already seeing and those thought to be on the way. Throughout the book, kids are introduced to the scientists doing the research. The third section is about what kids and scientists can do together to both gather data and mitigate the effects of global warming. Projects are featured along with their teachers and students. Concrete suggestions are presented on how to reduce your carbon "footprint" or impact on the environment. The power of one voice is shown with political action and environmental advocacy. The book is one of hope about such a serious topic. The resource section contains internet sites and books for further reading for the topics presented. A teacher's guide is available for order.

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