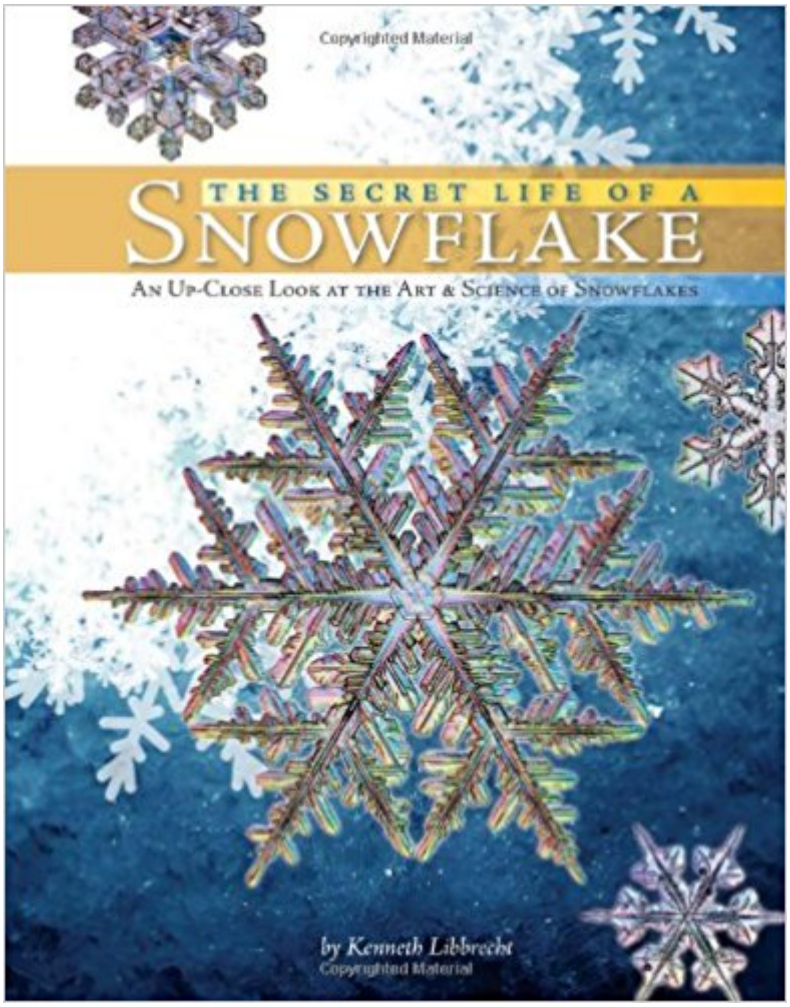
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The Secret Life Of A Snowflake: An Up-Close Look At The Art And Science Of Snowflakes



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Synopsis

Before a snowflake melts on your tongue, it makes an epic journey. This is the beautiful, full-color story of that journey, step by step, from a single snowflakeÃ¢â ¬â„¢s creation in the clouds, through its fall to earth, to its brief and sparkling appearance on a childÃ¢â ¬â„¢s mitten. Told by a scientist who knows snowflakes better than almost anyone, the story features his brilliant photographs of real snowflakes, snowflakes forming (in the authorÃ¢â ¬â„¢s lab), water evaporating, clouds developing, ice crystals, rain, dew, and frost--all the elements of the world and weather that add up, flake by flake, to the white landscape of winter. Aimed at readers from 6 to 12, The Secret Life of a Snowflake gets to the heart of one of natureÃ¢â ¬â„¢s most magical phenomena while making the wonder of the snowflake all the more real.

Book Information

Lexile Measure: 890 (What's this?)

Hardcover: 48 pages

Publisher: Voyageur Press; First edition (January 1, 2010)

Language: English

ISBN-10: 0760336768

ISBN-13: 978-0760336762

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Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 61 customer reviews

Best Sellers Rank: #439,016 in Books (See Top 100 in Books) #62 inÃ Â Books > Children's Books > Arts, Music & Photography > Photography #203 inÃ Â Books > Children's Books > Education & Reference > Science Studies > Physics #374 inÃ Â Books > Children's Books > Education & Reference > Science Studies > Nature > Weather

Age Range: 8 - 11 years

Grade Level: 3 and up

Customer Reviews

Grade 3Ã¢â ¬â œ6Ã¢â ¬â •Extraordinary photographs of individual snowflakes are the true highlight of this informational book. With crisp detail and lit up with colored light, the crystals are mesmerizing in their clarity and brilliance. Libbrecht uses a first-person narration to describe the microphotography process that he uses to create the images and then goes on to outline the life cycle of a snowflake. Some elementary science is included in the text, such as the water cycle and

the crystallization process, which explains why no two snowflakes are ever alike. Details about why snowflakes always have six branches and why they vary in size so much add interest and depth, offering readers more than just the basics. A solid addition to any science collection, this book will draw in young enthusiasts, and the beautiful photographs will engage casual browsers. Team it with Jacqueline Briggs Martin's Snowflake Bentley (Houghton, 1998) and Snow Crystals (Dover, 1962), Bentley's own collection of snowflake photographs, for an intriguing lesson on snow.Ã¢â ¬â •Jody Kopple, Shady Hill School, Cambridge, MA (c) Copyright 2010. Library Journals LLC, a wholly owned subsidiary of Media Source, Inc. No redistribution permitted.

A PICTURE BOOK NOT TO MISS: Caltech physics professor Kenneth Libbrecht has translated his passion for ice crystals into an extraordinary book for young people, "The Secret Life of a Snowflake: An Up-Close Look at the Art and Science of Snowflakes" (Voyageur Press: $17, all ages). How rare it is for a scientist to be able to describe his work this simply: "I look at snowflakes under a microscope and take pictures of what I see." Ã¢â ¬â œ LA TimesThis beautiful book is worth spending time with. Trust me, it's nothing like the piles of slippery stuff in your driveway. "The Secret Life of a Snowflake" features stunning photography (the kind you linger over) and science that's fun and informative. Ã¢â ¬â œ Cape Cod TimesThe next time it snows, I am heading outside with magnifying glass in hand, inspired by Ã¢â ¬Å“The Secret Life of a SnowflakeÃ¢â ¬â„¢Ã¢â ¬â„¢ by Kenneth Libbrecht (Voyageur). The target readers are 9- and 10-year-olds, but the book deserves a broader audience. A snowflake researcher at Caltech, Libbrecht is as enthusiastic about science as he is about the beautiful photographs he takes of snowflakes under a microscope. Ã¢â ¬â œ Boston GlobeDepending on where you live, you may have already seen a lot of snow this winter. But youÃ¢â ¬â„¢ve probably never seen it like this. The author, a professor of physics at the California Institute of Technology, presents super-close-up photos of snowflakes, taken under a microscope, for a crystal-clear look at one of natureÃ¢â ¬â„¢s most delicate, dazzling displays. Ã¢â ¬â œ American ProfileAimed at kids but sure to engage any snow-loving adults Kenneth Libbrecht's photos capture true works of nature's art, and his text reveals a lot about where they come from and how they get here. Oh, and you can learn how to make a paper snowflake -- the right way. Ã¢â ¬â œ Star TribuneHis latest book is for kids: The Secret Life of a Snowflake, a fascinating look at the science of frozen crystals that will appeal to adults, tooÃ¢â ¬Â¦His book, a beautiful blend of art and science, includes instructions for the proper way to fold and cut a snowflake from paper. Ã¢â ¬â œ Columbus DispatchSchool Library Journal, May 2010Extraordinary photographs of individual snowflakes are the true highlight of this

informational book. With crisp detail and lit up with colored light, the crystals are mesmerizing in their clarity and brilliance. Libbrecht uses a first-person narration to describe the microphotography process that he uses to create the images and then goes on to outline the life cycle of a snowflakeÃ¢â ¬Â|A solid addition to any science collection, this book will draw in young enthusiasts, and the beautiful photographs will engage casual browsers.National Science Teachers Association Most children are naturally interested in snowfall and snowflakes; they are a favorite subject of art activities in schools in the winter months. This book will captivate readers. It does an excellent job of integrating the science behind snowflake formation and the beautiful natural art that is the end result.Written by a physicist who studies snowflake form, the text is very informative and covers many science concepts related to the subject (such as light and color, the water cycle, crystal formation, and molecular structure). The accompanying photographs are exquisite, and the diagrams clarify the scientific content in an effective manner.There are a few suggested activities in the text that a classroom teacher could easily do with students, such as making paper snowflakes and observing snowflakes under a microscope. This is a great resource for integrated lessons at the elementary and middle school level.

Professor Kenneth Libbrecht’s beautiful pictures of snow are the perfect backdrop for this insightful book on snow. The pictures will delight children, and the author also describes the process of taking photographs as well as the science of why snow has 6 sides (I won’t give it away), how snow forms, and different forms snow can take.I used this with pre-schoolers, but there are a number of words per page, so it may work even better with elementary school aged children.The book deals less with the "art" side of the snowflake (the art is basically the pictures themselves), but the science is strong and makes up for it.

Have given this book to family friends for years as a small Christmas extra. Love this book!

I am an elementary school teacher in South Texas where it rarely snows. Every winter I read the biography Snowflake Bentley to my fifth grade students. I bought The Secret Life of a Snowflake as an extension. This book gives a simple, clear explanation of how snowflakes form and includes beautiful color photographs. It also includes directions to make a true six-sided paper snowflake. The snowflake unit is always a favorite.

This is a great book for kids (and even adults) who want a look at the hidden world of snow flakes

and all the different kinds. It doesn't include the graphic at the snow crystals site that shows temperature vs humidity vs flake types, but this book is also written for a young audience.

This was a great little book, quick read but fascinating pictures. Neat science lesson for kids regarding crystals. I learned new things about snowflakes I had never heard before. Great picture book with beautiful snowflakes, each so unique yet all with a hexagon formation.

I teach 3rd grade where there is no snow. We spend the week before winter break studying snowflakes. This book inspires ahhhs! and concentration in even the most unfocused. As a non-science major, I think well of the explanations and how it is pieced out.

The photographs are amazing! The information is just the right length and at a level where grade school children can understand it. It explains how a snowflake is formed. There are lots of pictures and illustrations.Our whole family found it fascinating!

Who doesn't love snowflakes? And, this is a wonderful little book that gives simple explanations about how snowflakes are formed. Written for a young reader, it has enough images to keep a youngster interested.

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The Secret Life of a Snowflake: An Up-Close Look at the Art and Science of Snowflakes The Natural World Close-Up (Close-Up (Firefly)) The Human Body Close-Up (Close-Up (Firefly)) Where Snowflakes Dance and Swear: Inside the Land of Ballet Snowflakes in Photographs (Dover Pictorial Archive) Amish Romance: Amish White Christmas Collection: Snowflakes on Goose Pond, Snow Angels, The Gingerbread Haus Crochet Snowflakes Step-by-Step: A Delightful Flurry of 40 Patterns for Beginners Tatted Snowflakes Tatted Snowflakes (Twenty to Make) Fun with Snowflakes Stencils (Dover Stencils) 100 Snowflakes to Crochet: Make Your Own Snowdrift---to Give or to Keep (Knit & Crochet) Mandala Coloring Book: 100 plus Flower and Snowflake Mandala Designs and Stress Relieving Patterns for Adult Relaxation, Meditation, and Happiness (Mandala Coloring Book for adults) Portland and the Snowflake Creative Haven Snowflake Mandalas Coloring Book (Adult Coloring) Grief is Like a Snowflake Snowflake Day! (Daniel Tiger's Neighborhood) Snowflake Bentley The Mystery at Snowflake Inn (The Boxcar Children Special series Book 3) The Snowflake: Winter's Frozen Artistry The Six-Cornered Snowflake