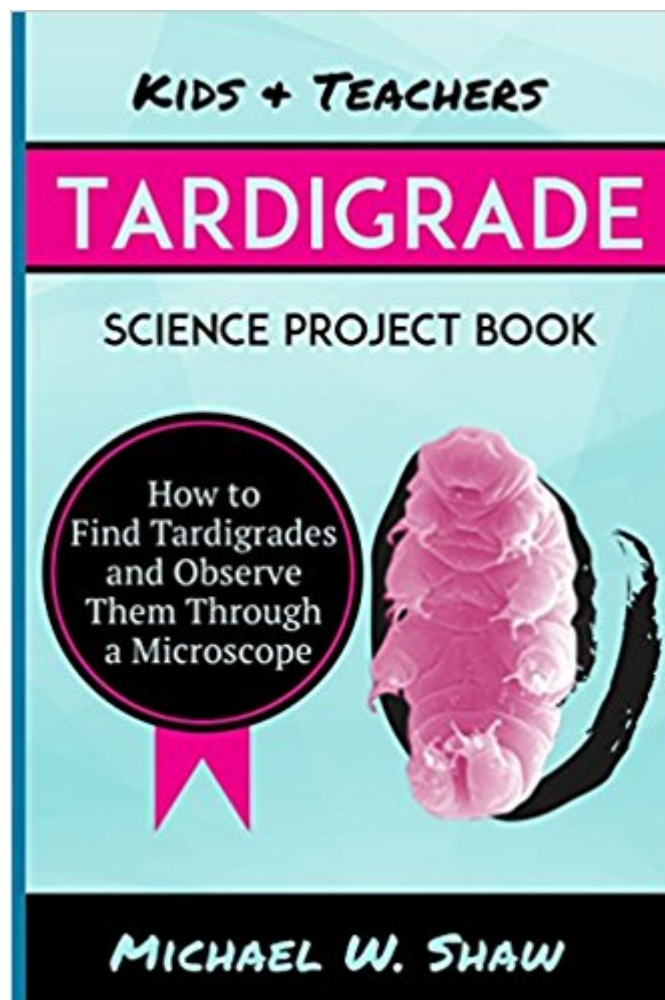




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# Kids & Teachers Tardigrade Science Project Book: How To Find Tardigrades And Observe Them Through A Microscope



## Synopsis

For students wishing to do a science fair project on tardigrades, this book is essential. With over 100 pictures and detailed explanations, this book is written in a style intended to assist students and teachers in a variety of possible science projects with tardigrades. There are many science hobbyists at all levels who need an additional resource on this topic. Besides information specific to tardigrades, the book provides a basic primer on collecting and viewing specimens of many types under the microscope. Beginning with some basic information about tardigrades, the book explains the where's and how's of finding these fascinating creatures. Covered are the essential techniques of sample collection, specimen and slide preparation, and the basics of microorganism viewing under a microscope. How to build science fair models of tardigrade eggs and tardigrades is explained in detail with step by step pictures. Also included are bonus sections showing how to build a microscope camera adapter, and how to build a plant press for preserving leaves and flowers. For anyone wishing to embark on a new voyage of scientific discovery, this book will help point the way. REVIEW HIGHLIGHTS "This is a fascinating book for anyone, not just teachers & kids. I've been curious about tardigrades ever since I saw a picture of one. They are pretty amazing animals that are as close as you can get to indestructible, withstanding temperatures that would kill most other creatures." - Maureen A. Carr - 5 Star Review "The discussion on microscopy is particularly good -- especially the section about depth of field, and the comparison of stereo microscopes with compound microscopes. Indeed, even my college students and teachers in professional development classes sometimes have a difficult time grasping these concepts (higher mag is not always "better") Indeed, this book would be very useful for anyone interested in basic microscopy." - Karen Kalumuck - College Professor "A wonderful guide. Clearly written as well as charming. My granddaughter used the book for an independent research project (2nd grade) and is now using it in her science fair project. Inspiring to budding young scientists." - Rona Ostrow - 5 Star Review

## Book Information

Paperback: 184 pages

Publisher: CreateSpace Independent Publishing Platform; 1 edition (July 15, 2014)

Language: English

ISBN-10: 1499134983

ISBN-13: 978-1499134988

Product Dimensions: 6 x 0.4 x 9 inches

Shipping Weight: 11.8 ounces (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 stars 32 customer reviews

Best Sellers Rank: #369,482 in Books (See Top 100 in Books) #22 in Books > Science & Math > Experiments, Instruments & Measurement > Microscopes & Microscopy #4446 in Books > Science & Math > Physics

## Customer Reviews

Michael Shaw has written several books to assist teachers and young scientists. His scientific research consisted of the tardigrade population survey for the state of New Jersey. Mr.

Shaw's internet video went viral with over 11 million views, popularizing the tardigrade as "the first animal to survive in space." Recently Mr. Shaw has appeared in a PBS video, and on TV Globo in Brazil on their most watched Sunday night program, Fantastico.

I downloaded this book to my phone and two of my computers so that I can read it anytime. It is well written and well illustrated, easy to understand. It explains how to catch and view one of the cutest and most interesting microscopic organisms. It also has instructions how to use a microscope and even take microphotographs with a simple camera. I recommend this book for anybody who wants to introduce their kids to the wonders of nature and the experience of delving live, into a strange and wonderful world, where you can see creatures, stranger than in science fiction. These creatures are real and alive, moving about by various means. I am an experienced microscopist and have not seen any tardigrades for over 40 years. Following this book's advice, I was able to find some on my first try.

Hobbyists and amateurs of all sorts - people who do things for fun or the simple love of it - are very fortunate to have friends like Michael Shaw. Mike is a professional biologist who studies tardigrades. But Mike is also a talented teacher and writer, judging from this new book. It is about 100 pages long, with lots of wonderful color pictures and the \$2.99 price is very reasonable. Tardigrades are microscopic invertebrate creatures called "water bears" because they like to live in water, and move on six stubby little legs that makes them look like lumbering bears. They are also among the first invertebrates to travel with astronauts outside the earth's atmosphere. In this book Mike tells us not only what tardigrades are, but where they live, what they eat and what eats them, and how to find, capture and view them under the microscope. He also has sections telling you how to use a microscope and set it up to take photographs and digital images with it. In this small book there is

even information about doing tardigrade research, and how to find more information about them. The style of writing is simple, friendly, and humorous, and appeals to all reader age groups. Mike also has a tardigrade website [...]), which is as remarkable as the book. You can use a link there to watch a video of Mike talking about water bears and tardigrades in space. Besides being a bargain and full of useful information, this book is a visual and verbal delight. I highly recommend it!

Great color photographs, very easy to understand, you will definitely learn a lot! This book is fun as well as educational, it will surely get you very into tardigrades. Just get it- it is worth it 100% It will guide you step-by-step on how to find and cultivate tardigrade. It also includes many interesting facts about these little critters.

When I was in high school I was a science fair nerd, but it's been many decades since I deployed the ol' microscope to watch protozoa. But after reading about Michael in the New York Times I was inspired to find tardigrades. I went out and collected some moss and lichen in the yard yesterday. Can't wait to find some!

This is a fascinating book for anyone, not just teachers & kids. I've been curious about tardigrades ever since I saw a picture of one. They are pretty amazing animals that are as close as you can get to indestructible, withstanding temperatures that would kill most other creatures. The fact that they are so small makes them even more interesting. This book gives complete directions on locating and observing them with a microscope and taking pictures to share with others. Lots of helpful pictures and illustrations. If you have an interest in science and nature this is a great book to add to your collection.

This is a great book for young and old! It is well written and the steps to find tardigrades are easy to follow. I especially like the bit of humor added as well as the safety notes aimed at children. I wish I had this book when I was growing up! I can't wait for my little one to get older so I can teach her how to find tardigrades.

A well written book sold by on finding Tardigrades. If you have just bought your first Microscope and are interested in the many amazing creatures that inhabit our world, this is a great way to get started. I guarantee that you will find a some of these little creatures and will be amazed by them.

Well-illustrated, written at the appropriate level, comprehensive without seeming padded--this is the best biology enrichment book I know of. And it helps that "waterbears" are so damned cute and interesting. I recommend this book most highly on my blog, covering Minnesota science standard enrichment activities: <http://mnscistandards DOT blogspot DOT com/2014/08/waterbear-tardigrade-book-is-perfect.html>

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