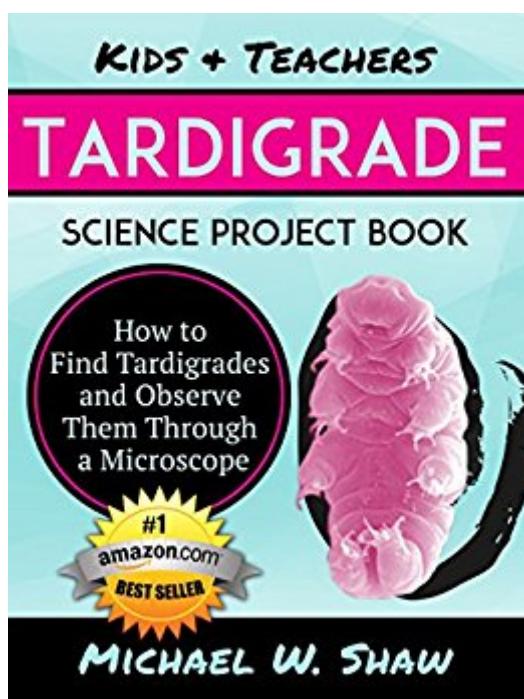


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# Kids & Teachers TARDIGRADE Science Project Book: How To Find Tardigrades And Observe Them Through A Microscope



## Synopsis

This book has been a Number One Bestseller on . For students and teachers wishing to do a science fair project on tardigrades, this book is essential. With 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 whereâ™s and howâ™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 over 100 step by step color pictures (in Kindle version). The photos in the paperback version are in black & white, so if you buy the paperback, you get the color version in Kindle for \$1.99 under the Kindle MatchBook program. 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

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## Customer Reviews

This is a good little book, written at a middle-school level and useful to all beginners from about age 10 up. Shaw presents clear, simple directions without being patronizing. If one follows instructions, tardigrades will be found. Guaranteed. He explains what tardigrades are, where they live, how to obtain/make equipment. The book is profusely illustrated, and the illustrations show what one is likely to see, not the idealized depictions found in so many biology books. Because the book is so good and mostly so accurate I have several quibbles: Shaw says most meteorites are mostly made of iron; in fact, rocky meteorites are most common. In dismissing panspermia, he correctly states that meteoric surfaces get far too hot for any life to survive; he does not mention that the insides stay near absolute zero in any sizeable meteorite. He avers that lichens are a hybrid of fungi and algae, which they are not--a lichen is a symbiotic relationship between a fungus and an alga, not a hybrid. And classifying tardigrades between planaria and crustacea is questionable. The only reasons to raise these quibbles is because the book is aimed at the young. Impressions once formed can persist for decades and show up at inconvenient times. Quibbles aside, I recommend this book without reservation to any beginning biologist.

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!

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 experience microscopist and have not seen any tardigrades for over 40 years. Following this books advice, I was able to find some on my first try.

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.

OK, so what if the tardigrade looks like the creepy-crawly critter from the Vincent Price horror film THE TINGLER. The tingler-esque tardigrade also looks a tad like langostino lobsters that have been broiled and are ready to eat. Enlarged via CGI to a colossal scale, it would be one of sci-fi film's worst nightmares to behold! GODZILLA VS. TARDIGRADE would be a smash hit - and Godzilla would lose! Yet despite its scary and weird appearance, there is something noble and uplifting

about the truly tiny tardigrade, for its utter resiliency and determination to live under any and all circumstances just has to be admired and even applauded! Also to be applauded is Michael W. Shaw's book. It is a wonderful way to become acquainted with this bizarre yet beautiful creature. Geared primarily for kids, the book is highly educational and exemplary in that it doesn't dumb things down for its target audience. It will arouse maximum curiosity precisely by not speaking down to kids, but by subtly making a young audience reach and stretch and wish to know more and thereby grow and learn best. And the book is equally enjoyable for adults! You'll learn things about tardigrades that will amaze and astound you, and how perfect this book is to bring parents and their children together! Highly recommended!

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