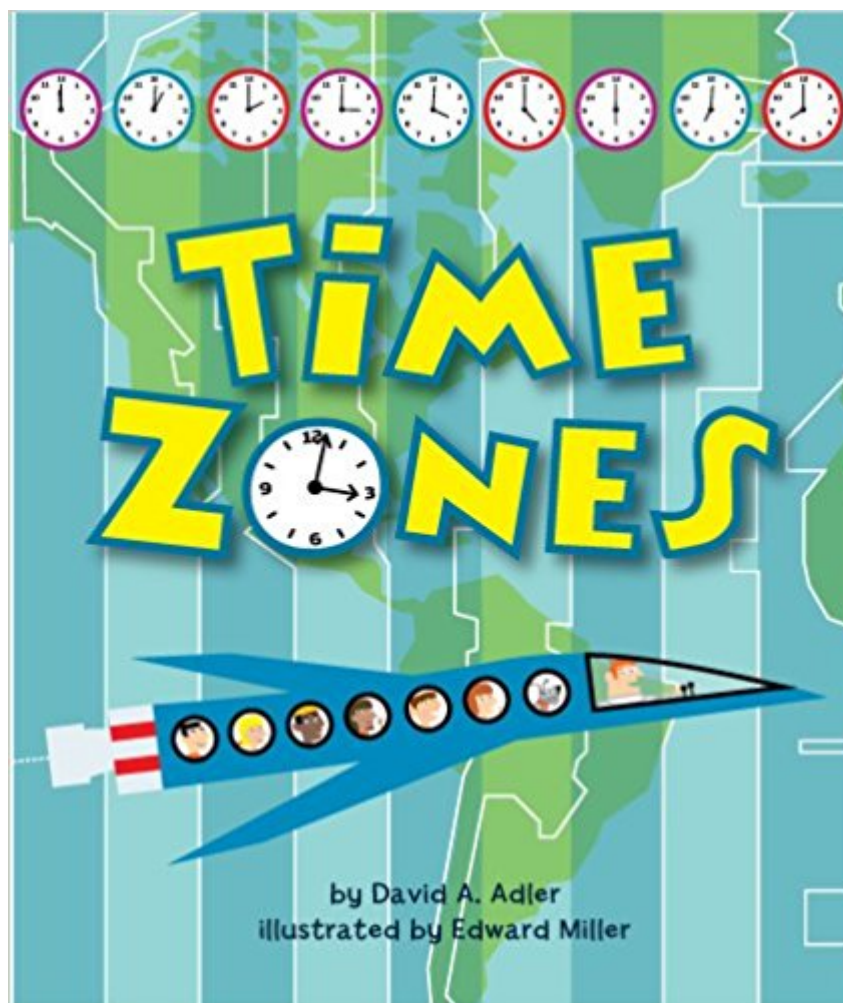


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# Time Zones



## Synopsis

What are time zones and why do they exist? When it's noon where you live, why is it midnight halfway around the world? This entertaining book explains why time zones exist and includes little-known facts and historical lore, an explanation of Daylight Savings Time, and a hands-on activity that can be performed at home or in the classroom.

## Book Information

Paperback: 32 pages

Publisher: Holiday House (June 1, 2011)

Language: English

ISBN-10: 0823423859

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Product Dimensions: 8.2 x 0.1 x 10 inches

Shipping Weight: 12 ounces (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars 5 customer reviews

Best Sellers Rank: #561,371 in Books (See Top 100 in Books) #301 in [Books > Children's Books > Education & Reference > Science Studies > Earth Sciences](#) #7266 in [Books > Children's Books > Science, Nature & How It Works](#)

Age Range: 7 - 10 years

Grade Level: 2 - 5

## Customer Reviews

Gr 3-5—Adler offers a simple but thorough explanation of time zones and why people experience different parts of the day simultaneously depending on their location around the globe. Illustrations of an astronaut and his robot dog provide a perspective from high above Earth, which helps readers visualize the way sunlight reaches different parts of the planet as it rotates. The author explains how the need to set railroad schedules led to setting standard times in the United States and Canada in 1883. A year later 20 countries agreed to divide the world into 24 time zones, establishing Greenwich Mean Time as the starting point. Numerous maps and diagrams help visualize these abstract boundaries, including the international date line in the Pacific. The illustrator even introduces some Martian observers who want to learn about the subject. Adler explains the impact of daylight savings time and includes a simple experiment for readers to see for themselves how noon and midnight occur simultaneously on opposite sides of the globe. The clear visual and verbal presentation of this basic topic makes the book a worthwhile purchase for most

libraries. Kathy Piehl, Minnesota State University, Mankato. © Copyright 2010. Library Journals LLC, a wholly owned subsidiary of Media Source, Inc. No redistribution permitted. --This text refers to the Hardcover edition.

The creators of *Fun with Roman Numerals* (2008) and *Money Madness* (2009) collaborate here to explain the concept of time zones. Miller employs an astronaut and his robot dog to serve as guides for Adler's discussion of the differences in times around the globe caused by the earth's rotation in an easterly direction, resulting in later times as one travels east. He notes the difficulties faced (particularly with train travel) before the 1883 adoption of standardized time, describes how the 24 zones are adjusted to accommodate heavily populated areas or a particular country's preferences, and clarifies the need for the prime meridian and international date line. Miller's bold, cartoon-style collage art invites readers to ponder the ideas Adler presents. His use of humorous characters (a smiling sun and several Martians) adds to the book's appeal without detracting from the science. Numerous maps, diagrams, and a few documentary photos also help to clarify complex ideas, and a globe and lamp demonstration will help students visualize time zones. Grades 2-4. --Kay Weisman --This text refers to the Hardcover edition.

Great book that discusses a much over-looked topic in school. My son found it interesting and has a better understanding of time zones because of it.

Basic and perfect for kids and Executive Vice Presidents with spatial disorientation challenges!

-----"Time Zones"Written and Illustrated by David A. Adler(Holiday House, 2010)-----This is an excellent introduction to the concepts of time and time zones, with clear, cogent explanations of how time was measured before Greenwich Mean Time was established, and how it was standardized and divided up (and why time zones are not measured in straight lines) and how time is relative to your position on the Earth, and what direction you're moving in. It's hard stuff to grasp the first time around, but author David Adler goes a great job explaining it, with text and pictures that work well together. I enjoyed this book and found it more effective than some of his math education books, which often felt more cluttered and less direct. If time measurement is a topic you'd like to explore with your kids, I highly recommend this book. (Joe Sixpack, ReadThatAgain childrens' book reviews)

"Time Zones" takes a refreshing look at the differences in time around the earth due to its rotation. The history of standard time zones is also outlined, along with some of the global travel connections that have influenced the development of standard time zones. Filled with spunky, retro, colorful illustrations that illuminate the mysteries of time, "Time Zones" delves into some hefty definitions that arise from our organization of the progressions of time into standard divisions. One of these is, what is the beginning point (of imaginary lines between one time zone and the next, P. 14)? The answer, the prime meridian which runs through Greenwich, England, was devised at a meeting in 1884. This and other fascinating if confusing facts about time theory and practice are cheerfully and efficiently packaged and presented in "Time Zones," the perfect elementary to middle school text, culminating with a fun project that is easy to accomplish using a lamp and a globe in a darkened room, and demonstrates why we need time zones.

Time zones are the reason that sometimes when you're traveling, you have to reset your watch. Just how do they work? A former teacher and now best-selling author of over 200 children's books explains a complex subject in clear, simple language. Cheerful computer-generated art and colorful maps help clarify the concepts, beginning with the earth's rotation. Before long-distance travel was common, keeping track of time across distances wasn't urgent, and time zones weren't standardized until 1884. Today they are a fact of life--a fact that children will understand better thanks to this helpful book.

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