

Explore The History And Science Of Telling Time With 15 Projects

Have you ever wondered how people used to tell time before clocks and watches were invented? Or how a sundial works? Or how to build your own sundial, water clock, or hourglass?



Timekeeping: Explore the History and Science of Telling Time with 15 Projects (Build It Yourself)

by Linda Formichelli

★★★★☆ 4.5 out of 5

Language : English
File size : 4242 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 128 pages
Lending : Enabled
Screen Reader : Supported



This book will answer all of these questions and more. It is a comprehensive guide to the history and science of telling time. It includes 15 projects that will help you build your own clocks and watches.

The History Of Telling Time

The history of telling time is a long and fascinating one. It began with the ancient Egyptians, who developed the sundial around 3500 BC. The sundial was a simple device that used the sun's rays to mark the hours.

Other ancient civilizations, such as the Babylonians, Greeks, and Romans, also developed their own methods of telling time.

In the 14th century, the mechanical clock was invented. The first mechanical clocks were large and inaccurate, but they gradually improved over time. By the 17th century, mechanical clocks were accurate enough to be used for navigation. In the 19th century, the electric clock was invented. Electric clocks were more accurate than mechanical clocks, and they could be used in a wider variety of applications.

In the 20th century, the quartz clock was invented. Quartz clocks are the most accurate type of clock, and they are used in a wide variety of applications, including computers, cell phones, and satellites.

The Science Of Telling Time

The science of telling time is based on the concept of a day. A day is the time it takes for the Earth to rotate once on its axis. Days are divided into 24 hours. Each hour is divided into 60 minutes. Each minute is divided into 60 seconds.

There are a variety of different methods for measuring time. Some of the most common methods include sundials, water clocks, hourglasses, and clocks.

15 Projects To Build Your Own Clocks And Watches

This book includes 15 projects that will help you build your own clocks and watches. The projects range in difficulty from beginner to advanced. Each project includes step-by-step instructions and detailed illustrations.

Here are a few of the projects that you will find in this book:

- How to build a sundial
- How to build a water clock
- How to build an hourglass
- How to build a mechanical clock
- How to build an electric clock
- How to build a quartz clock

This book is a comprehensive guide to the history and science of telling time. It includes 15 projects that will help you build your own clocks and watches. Whether you are a beginner or an experienced clockmaker, you will find something to enjoy in this book.

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