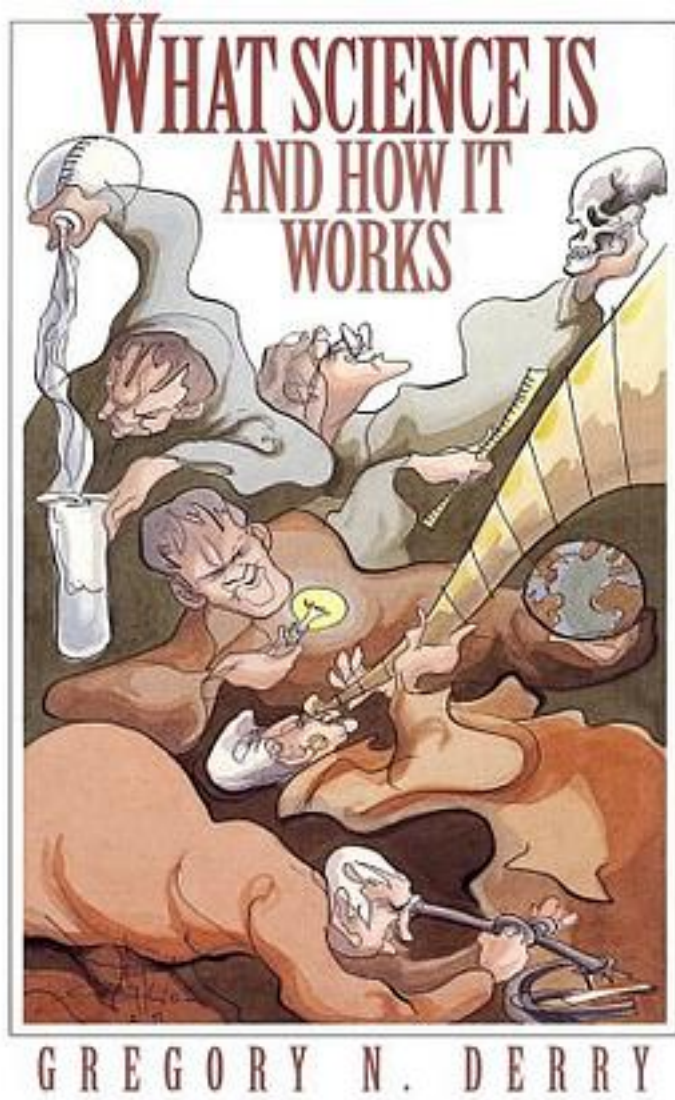


What Science is and How it Works



[What Science is and How it Works_ 下载链接1](#)

著者:Derry, Gregory N.

出版者:Princeton Univ Pr

出版时间:2002-3

装帧:Pap

isbn:9780691095509

How does a scientist go about solving problems? How do scientific discoveries happen? Why are cold fusion and parapsychology different from mainstream science? What is a scientific worldview? In this lively and wide-ranging book, Gregory Derry talks about these and other questions as he introduces the reader to the process of scientific thinking. From the discovery of X rays and semiconductors to the argument for continental drift to the invention of the smallpox vaccine, scientific work has proceeded through honest observation, critical reasoning, and sometimes just plain luck. Derry starts out with historical examples, leading readers through the events, experiments, blind alleys, and thoughts of scientists in the midst of discovery and invention. Readers at all levels will come away with an enriched appreciation of how science operates and how it connects with our daily lives. An especially valuable feature of this book is the actual demonstration of scientific reasoning. Derry shows how scientists use a small number of powerful yet simple methods - symmetry, scaling, linearity, and feedback, for example - to construct realistic models that describe a number of diverse real-life problems, such as drug uptake in the body, the inner workings of atoms, and the laws of heredity. Science involves a particular way of thinking about the world, and Derry shows the reader that a scientific viewpoint can benefit most personal philosophies and fields of study. With an eye to both the power and limits of science, he explores the relationships between science and topics such as religion, ethics, and philosophy. By tackling the subject of science from all angles, including the nuts and bolts of the trade as well as its place in the overall scheme of life, the book provides a perfect place to start thinking like a scientist.

作者介绍:

目录:

[What Science is and How it Works 下载链接1](#)

标签

科学

Science

评论

在这本书中你能了解到科学的各个方面。科学的方法，科学的内容，科学与社会的关系

，科学中的伦理问题，科学与伪科学的区别等等。想了解科学，看看这本书是个不错的选择。

[What Science is and How it Works 下载链接1](#)

书评

[What Science is and How it Works 下载链接1](#)