



## Representative Readings through which we study the Scientific Enterprise

Boyle, "The Corpuscular or Mechanical Philosophy"

Galileo, "The Assayer"

Newton, *The Principia* and *Opticks*

Leibniz, *Discourse on Metaphysics* and *New Essays in Human Understanding*

Darwin, *On the Origin of Species*

Charles Singer, *A Short History of Scientific Ideas to 1900*

Sinclair Lewis, *Arrowsmith*

Einstein, *Ideas and Opinions* and *Relativity: The Special and the General Theory*

Heidegger, *Question Concerning Technology*

Heisenberg, *Physics and Philosophy*

Kuhn, *Structure of Scientific Revolutions*

W.V. Quine, *Pursuit of Truth*

Karl Popper, *Objective Knowledge*

Bertrand Russell, "The Rise of Science," in *History of Western Philosophy*

Carl Sagan, "Science and Hope," *The Demon-Haunted World* (

Carl Hempel, *Philosophy of Natural Science*

Peter Bowler and Iwan Morus, *Making Modern Science: An Historical Survey*

Samir Okasha, *Philosophy of Science: A Very Short Introduction*

David C. Lindberg, *The Beginnings of Western Science*, 2nd ed.

Stephen F. Mason, *A History of the Sciences*

Geoffrey Lloyd & Nathan Sivin, "Chinese and Greek Sciences Compared," in *The Way and the Word*

Theodore Schick, Jr. & Lewis Vaughn, *How to Think About Weird Things* (2014)

John Gribbin, *Almost Everyone's Guide to Science*

Rom Harré, *Great Scientific Experiments*

George Johnson, *The Ten Most Beautiful Experiments*

Gili Drori et al., *Science in the Modern World Polity*

Martin Gardner, "Science & the Unknowable," in Theodore Schick, Jr., ed., *Readings in the Philosophy of Science* (2000).