

AP Physics Reading List:

About Time by Paul Davies
Einstein's Miraculous Year by Stachel
An Equation That Changed the World by Harald Fritzsch
Einstein's Universe by Calder
Moon Shot by Shepard & Slayton
Atom by Isaac Asimov
The Elegant Universe by Brian Green
 $E = mc^2$ by David Bodanis
Ubiquity by Mark Buchanan
Looking for Earths by Alan Boss
Serendipity by Royston Roberts
Uncle Tungsten by Oliver Sacks
Cosmos by Carl Sagan
Galileo's Daughter by Dava Sobel
Copernicus: Founder of Modern Astronomy by Catherine Andronik
A Brief History of Time by Hawking
Singularity by William Sleator
In Search of Schrödinger's Cat by Gribben
Quantum Generations by Helge Kragh
Black Holes and Time Warps by Thorne
Asimov on Physics by Isaac Asimov
Six Easy Pieces by Richard Feynman
Physics and Philosophy - Heisenberg
God and the New Physics - Davies
The Evolution of Useful Things - Petoski
Extreme Stars by James Kaler
Annus Mirabilis by John Gribben

The Universe in a Nutshell by Stephen Hawking
The Pleasure of Finding Things Out by Richard Feynman
The Meaning of It All by Richard Feynman
The Physics of Football by Timothy Gay
The Fabric of the Cosmos by Brian Green
The Dancing Wu Li Masters by Zukav
Taking the Quantum Leap by Woolf
Alpha & Omega by Charles Seife
The Physics of Superheroes by Kakalios
Alice in Quantumland by Robert Gilmore
Einstein's Cosmos by Michio Kaku
Warped Passages by Lisa Randall
The End of the Certain World
by Nancy Thorndike Greespan
Coming of Age in the Milky Way by Ferris
Lise Meitner by Ruth Lewin Sime
Tesla: Man Out of Time by Margaret Cheney
QED by Richard Feynman
Exploring Black Holes by Taylor & Wheeler
Spacetime Physics by Taylor & Wheeler
Nobel Dreams: Power, Deceit, & the Ultimate Experiment - Taubes
Q.E.D. - Richard Feynman
A short history of nearly everything - Bill Bryson
Hydrogen by John S. Rigden
First You Build a Cloud: And Other Reflections on Physics as a Way of Life - Cole
Mind Over Matter: Conversations with the Cosmos - K.C. Cole

Assignment:

Choose and read one of the books above. Write a summary of the book. Divide your summary in the same way the book is divided, i.e. if the book has Sections A, B, C, D, etc, your summary should be divided Sections A, B, C, D, etc (for books divided in such a manner)

Write a personal reflection of the book. Did it change your life? Were you bored? Surprised? Etc.

Propose potential connections to the course content, What part of the course do you think this supports and how do you see it relating?