

## Supplementary Reading List: Biology

Title	Author	Subject
The Beak of the Finch	Jonathan Weiner	Evolution, Ecology
The Diversity of Life	E.O. Wilson	Ecology
Time, Love, Memory	J Weiner	Genetics
The Silent Spring	Rachel Carson	Ecology
The Mechanisms of Nature	Paul Erlich	Ecology
Populations, Resources, Environment	Paul Erlich	Ecology
The Origin of Species	Charles Darwin	Evolution
The Selfish Gene	Richard Dawkins	Evolution
The Blind Watchmaker	Richard Dawkins	Evolution
The Extended Phenotype	Richard Dawkins	Evolution
(any collection of essays)	Steven Jay Gould	Evolution
Evolutionary Medicine	Mark Lappe	Evolution
The Theory of Evolution	John M. Smith	Evolution
Coming On to the Land	Carl Zimmer	Evolution
A Feeling for the Organism	Dorothy Nelkin	Cell Biology
The Lives of the Cell	Lewis Thomas	Cell Biology
A Slot Machine, a Broken Test Tube	S.E. Luria	Cell Biology
For the Love of Enzymes	Kornberg	Biochemistry
The Curious Cook	McGee	Biochemistry
On Food and Cooking	McGee	Biochemistry
Linus Pauling/A Life in Science & Politics	Goertzel	Biochemistry
The Double Helix	James Watson	Genetics

The Code of Codes Kevles and Hood Genetics

Altered Fates Lyon and Gorner Genetics

Franklin and the Search for DNA Nelkin Genetics

Engines of Creation Eric Drexler Nanotechnology

Unbounding the Future Eric Drexler Nanotechnology

Nanotechnology Ed Regis Nanotechnology

Journey to the Ants Wilson & Holldobler Animal Behavior

Walking with the Great Apes Montgomery Animal Behavior

My Life with the Chimpanzees Goodall Animal Behavior

Gorillas in the Mist Fossey Animal Behavior

Good Natured: Origins of Right and Wrong De Waal Animal Behavior

The Dinosaur Heresies Bakker Paleontology

The Quest for Life in Amber Poinar Paleontology

Digging Dinosaurs Horner Paleontology

Dinosaur Trackways Lockley Animal Behavior, Paleontology

What is Life? and other essays Schrodinger Nature of Science

The Eudaemonic Pie Thomas Bass Nature of Science

Dangerous Diagnostics Nelkin and Tancredi Nature of Science

The End of Science Horgan Nature of Science

Scientific American: special editions & reprints, including--

--Everything You need to know about Cancer --Update on the Immune System and AIDS

--Managing Planet Earth --Viruses

--Mind and Brain

Recommendations by others:

You want to read Barry's *The Great Influenza*. The introductory chapters describe the perfect storm of the states of medicine, politics, & society that fostered the conditions for the pandemic. The chapter on viruses is an excellent read.

The book "Flu" by Gina Kolata is superb and tells about the 1918 flu as well as about the search for tissue/virus.

*The Silent Spring* by Rachel Carson is good to convey biomagnification and biogeochemical cycles.

*The Hot Zone* (Ebola)

*The Cobra Event* (Marburg virus)

*Demon in the Freezer* (anthrax)

all by Richard Preston are good. *The Cobra Event* is scariest b/c it starts out about a high school girl. I narrate the beginning when we're about viruses/bioterrorism/microbes rule. Students invariably borrow or buy it to read to finish!

*The Perfect Storm* and *The Hungry Ocean*. The former is a lead-in and shows power of abiotic factors (!); the latter is written by the captain (female) of the sister ship to the ship that was lost in the perfect storm. A main emphasis is on the value of supporting international fishing treaties to avoid overfishing and collapse of fish populations.

The best science book I have read this summer was "*The Weather Makers*" by Tim Flannery. It covers the topic of global warming/climate change and includes several different subtopics including evidence for global climate change, methods used to determine climate change, outcomes (including several chapters on what is happening right now as a result of a global increase in temp.), and a section on what we can do globally and individually to help arrest the process. Very readable and at times a bit scary, but quite well done.