

DIRECTIONS: Produce a 4-7 page analysis paper on a science related book.

1. Papers will be graded on the basis of science content, **actual scrutiny of ideas**, depth of research, clarity of content, and the use of standard spelling and grammar.
2. The discussion can include your opinions on the book – but be sure to back your opinions with verifiable facts(quotes).
3. ANALYZE do not SUMMARIZE. The first paragraph may summarize the idea of the book and major themes discussed in it, but the rest should analyze. Use text to support ideas. See rubric.
4. Word processed, double spaced, 12 pt font, 1 inch margins
5. Proper grammar, punctuation, and spelling (Please proofread).
6. For any referencing, use the APA system.
7. Do NOT plagiarize.
8. **Due a week before the end of 1st Quarter**

Book Review Essay Rubric

Criteria	Advanced		Proficient		Emerging
Introduction	The first paragraph summarizes the idea of the book and introduces major themes.		The first paragraph summarizes the idea of the book.		The writer fails to summarize the idea of the book in the first paragraph or only summarizes throughout the report.
Science Content	Besides the first paragraph, the paper analyzes the science content. Discussing major themes and ideas; uses research to support or disagree.		The writer discusses major themes and ideas but often fails to analyze them for their validity. May use supporting materials.		The writer only discusses ideas and fails to analyze any for their validity.
Ideas & Content	Writer makes insightful judgment about the book and provides at least one quote per body paragraph that supports the writer’s thesis. This is most definitely a book analysis and not a book report (or summary).		Writer makes an accurate, but often factual judgment about the book and provides at least one quote per body paragraph that supports the writer’s thesis, though more explanation may be needed to tie the quote to the topic sentence. This is not clearly a book review.		Writer makes an inaccurate or biased judgment about the book and provides insufficient support for that judgment OR it’s difficult to see how the details support one another. Some quotes or explanations missing in body paragraphs. This is a book report (or summary) rather than a book review.
Organization & Development	Topic sentences include a clear subject and/or the writer’s opinion. All paragraph details support a topic sentence. Ideas are focused and connected with complete, logical transitions. Writer’s opinions are obvious.		Topic sentences include a subject and/or the writer’s opinion. Most paragraph details support a topic sentence, but some may be skimpy. Ideas are connected with transitions, but often they are predictable or simply words.		Topic sentences do not include a subject nor the writer’s opinion. Few paragraph details support a topic sentence. It’s difficult for the reader to see how details flow from and support one another. The author is still searching for focus.
Mechanics	No mistakes in spelling, grammar, or punctuation. Word processed, double spaced, 12 pt font, 1 inch margins		A few minor mistakes that do not interfere with the reader’s ability to comprehend the writer’s ideas. Word processed, double spaced, 12 pt font, 1 inch margins		Many minor mistakes. Mechanics make the writing somewhat difficult to understand or read. Word processed, double spaced,
Referenced	The book and any supporting materials are properly referenced using APA format.		The book and any supporting materials are properly referenced using APA format.		The book and reference materials are not referenced or referenced incorrectly.

Summer Reading Comprehension Strategy: Sticky Note Summaries

Many students—even conscientious ones—*procrastinate* on that summer reading assignment until the last possible moment. Here is a strategy that will allow you to start the reading early in the summer and progress steadily while helping you to remember what you have read.

Materials: Summer reading text, Sticky notes, Spiral notebook or tablet

Procedure:

- At the end of each chapter, write on a sticky note 5-7 key words that retell the events/main ideas in that segment *accurately* and *completely*.
- Use a second sticky note and record 5-7 key words that will describe your critical thinking and analysis of the concept(s).
- Place on a page of your book that has a significant quote that can be used in your writing.
- Use the sticky note words and quote to write a paragraph that analyzes the concept in your notebook.

I am giving this to you now so that you do not procrastinate. Most of these books require a significant amount of time to read.

There are many possibilities for books to read. This is a small list. Others should be passed by Mr. Schmid.

List of Suggested Books:

1. Stephen Jay Gould Panda's Thumb
2. Lewis Thomas The Lives of a Cell; Notes of a Biology Watcher
3. Rachel Carson Silent Spring
4. Konrad Lorenz King Solomon's Ring
5. Robert Park Voodoo Science
6. Jared Diamond, The Third Chimpanzee
7. Craig Childs Apocalyptic Planet
8. Matt Ridley, Genome: The Autobiography of a Species in 32 Chapters
9. Matt Ridley, The Red Queen: Sex and the Evolution of Human Nature
10. Theo Colborn et al, Our Stolen Future
11. CJ Peter and Mark Olshaker, Virus Hunter
12. William Maples and Michael Browning, Dead Men Do Tell Tales: The Strange and Fascinating Cases of a Forensic Anthropologist
13. Bryan Sykes, The Seven Daughters of Eve: The Science that Reveals our Genetic Ancestry
14. Richard Rhodes, Deadly Feasts
15. Stephen Hawking, A Brief History of Time: From the Big Bang to Black Holes
16. Stephen Emmott, Ten Billion
17. David S. Wilcove, The Condor's Shadow
18. Martin Jones, The Molecule Hunt: Archaeology and the Search for Ancient DNA
19. Robert Preston, The Hot Zone
20. R S Bray, Armies of Pestilence: The Impact of Disease on History
21. Howard Bloom, The Lucifer Principle: A Scientific Expedition into the Forces of History
22. James Watson, The Double Helix
23. Henry Bates, The Naturalist on the River Amazons
24. Rebecca Skloot, The Immortal Life of Henrietta Lacks
25. Neil Shubin, The Universe Within
26. Neil Shubin, Your Inner Fish
27. Jonathan Weiner, The Beak of the Finch
28. Dick Teresi, The Undead
29. Adrian Bejan and J Peder Zane, Design in Nature
30. Richard Dawkins, The Selfish Gene
31. Yuval Harari Sapiens: A Brief History of Humankind
32. Aldo Leopold, A Sand County Almanac
33. Bill Bryson, A Short History of Nearly Everything
34. Mary Roach, Fuzz: When Nature Breaks the Law
35. Mary Roach, Gulp, Travels Around the Gut
36. Christopher McDougall, Born to Run: A Hidden Tribe, Superathletes, and the Greatest Race the World Has Never Seen
37. Susannah Cahalan, Brain on Fire
38. Brenda Maddox, Rosalind Franklin: The Dark Lady of DNA
39. Sean Carroll, Endless Forms Most Beautiful
40. Sean Carroll, The Making of the Fittest
41. Sean Carroll, The Serengeti Rules
42. Sam Kean, The Icepick Surgeon
43. David Epstein, The Sports Gene
44. Penny Le Couteur, Napoleon's Buttons: How 17 Molecules Changed History
45. E O Wilson, Letters to a Young Scientist