AP Biology

Post Exam #1

Essential Question

\* How have scientists impacted their field over time?

Understandings

*Students will understand that:*

\* scientists can have a significant impact upon their individual fields via their work

\* science is not neat and perfect but rather challenging and thought provoking

Knowledge

*Students will know:*

\* how the scientist/doctor in their chosen text has affected their field of choice

Skills

*Students will be able to:*

\* articulate in writing critical thinking questions based on the text

Mission Integration

(*Note: could be combined with performance task/design thinking culminating assessment)*

Many of the books students have as choices are about scientists who have conducted research that has improved nature/environment/species or have made significant contributions to medicine especially of underserved communities.

Students will be responsible for including 10% of their questions as connecting to the mission of UA.

Performance Task or Design Thinking Culminating Assessment

\* Create interview questions for either the author of their chosen text or a person playing a prominent role in the story

Other Evidence

(formative assessments, summative assessments)

\* Formative: observations of students reading and questions asked by students for clarification

Learning Plan

*Learning Activities*

Reading

Construction of Interview Questions

Resources

\* Jane Goodall [*In the Shadow of Man*](https://www.amazon.com/Shadow-Man-Jane-Goodall/dp/0547334168/ref=la_B000APGLR6_1_1?s=books&ie=UTF8&qid=1511105122&sr=1-1)

\* Dian Fossey [*Gorillas in the Mist*](https://www.amazon.com/Gorillas-Mist-Dian-Fossey/dp/4871872378/ref=sr_1_2?s=books&ie=UTF8&qid=1511105508&sr=1-2&keywords=gorillas+in+the+mist)

\* Birute Galdikas [*Reflections of Eden: My Years with the Orangutans of Borneo*](https://www.amazon.com/Reflections-Eden-Years-Orangutans-Borneo/dp/0316301868/ref=sr_1_sc_1?s=books&ie=UTF8&qid=1511105705&sr=1-1-spell&keywords=refletions+of+eden)

\* Jim & Jaime Dutcher [*Wolves at Our Door: The Extraordinary Story of the Couple Who Lived with Wolves*](https://www.amazon.com/Wolves-Our-Door-Extraordinary-Couple/dp/0743400496/ref=sr_1_1?s=books&ie=UTF8&qid=1511106378&sr=1-1&keywords=wolves+at+our+door)

\* Sheri Speede [*Kindred Beings: What Seventy-Three Chimpanzees Taught Me About Life, Love, and Connection*](https://www.amazon.com/dp/B00A26JYSG/ref=dp-kindle-redirect?_encoding=UTF8&btkr=1)

\* Jonathan Harr [A Civil Action](https://www.amazon.com/Civil-Action-Jonathan-Harr-ebook/dp/B005DB6PCI/ref=sr_1_1?crid=35CX01YHFWT54&keywords=a+civil+action+by+jonathan+harr&qid=1554229392&s=books&sprefix=a+civ%2Cstripbooks%2C145&sr=1-1)

\* Richard Preston The Hot Zone or Demon in the Freezer

\* Amy Stewart [Wicked Plants](https://www.amazon.com/Wicked-Plants-Lincolns-Botanical-Atrocities/dp/1565126831/ref=sr_1_1?keywords=wicked+plants&qid=1554223172&s=gateway&sr=8-1)

\* Brenda Maddox [Rosalind Franklin: The Dark Lady of DNA](https://www.amazon.com/Rosalind-Franklin-Dark-Lady-DNA/dp/0060985089/ref=sr_1_1?keywords=Rosalind+Franklin&qid=1554223246&s=gateway&sr=8-1)

\* James Watson The Double Helix

\* Kate Moore [The Radium Girls: The Dark Story of America's Shining Women](https://www.amazon.com/Radium-Girls-Story-Americas-Shining/dp/149264935X)

\* Mary Guinan [Adventures of a Female Medical Detective](https://www.amazon.com/Adventures-Female-Medical-Detective-Smallpox/dp/1421419998/ref=sr_1_1?keywords=mary+guinan&qid=1554223327&s=gateway&sr=8-1)

\* Atul Gawande [Complications: A Surgeon's Notes on an Imperfect Science](https://www.amazon.com/Complications-Surgeons-Notes-Imperfect-Science-ebook/dp/B003L1ZZFU/ref=sr_1_1?keywords=Complications%3A+A+Surgeon%27s+Notes+on+an+Imperfect+Science&qid=1554236452&s=gateway&sr=8-1) or Better

\* Rebecca Skloot [The Immortal Life of Henrietta Lacks](https://www.amazon.com/Immortal-Life-Henrietta-Lacks/dp/1400052181/ref=sr_1_1?keywords=immortal+life+of+henrietta+lacks&qid=1554224555&s=gateway&sr=8-1)

\* Jeanne Marie Laskas [Concussion](https://www.amazon.com/s?i=stripbooks&rh=p_66%3A9780812987577)

\* David Oliver Relin [Second Suns: Two Trailblazing Doctors and Their Quest to Cure Blindness, One Pair of Eyes at a Time](https://www.amazon.com/Second-Suns-Trailblazing-Doctors-Blindness/dp/1615193626/ref=asc_df_1615193626/?tag=hyprod-20&linkCode=df0&hvadid=312118197588&hvpos=1o1&hvnetw=g&hvrand=7519737792533867291&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9001963&hvtargid=pla-563289814473&psc=1)

\* Tracy Kidder [Mountains Beyond Mountains: The Quest of Dr. Paul Farmer, a Man Who Would Cure the World](https://www.amazon.com/Mountains-Beyond-Quest-Farmer-Would-ebook/dp/B000FBJAW8/ref=sr_1_fkmrnull_1?keywords=Mountains+Beyond+Mountains%3A+The+Quest+of+Dr.+Paul+Farmer%2C+a+Man+Who+Would+Cure+the+World&qid=1554236334&s=gateway&sr=8-1-fkmrnull)

\* Ross I Donaldson [The Lassa Ward: One Man's Fight Against One of the World's Deadliest Diseases](https://www.amazon.com/Lassa-Ward-Against-Deadliest-Diseases-ebook/dp/B002HRY186/ref=sr_1_fkmrnull_1?keywords=The+Lassa+Ward%3A+One+Man%27s+Fight+Against+One+of+the+World%27s+Deadliest+Diseases&qid=1554236530&s=gateway&sr=8-1-fkmrnull)

\*Shiya Ribowsky Dead Center: Behind the Scene’s at the World’s Largest Medical Examiner’s Office