

Health Science Summer Assignment

For the 2019 summer and fall Academy wide assignment, you will once again be choosing your own Health Science Adventure. In order to complete the assignment, you will pick and choose assignments from a provided list. All students will be expected to accumulate a total of 100 points. The grade will be out of a total of 100 points. You may not use the same points accumulated in the 2018- 2019 school year. While you may repeat an activity, the hours and summary must be new. The students will provide the appropriate documentation to the Flight Time teacher. All students are required to do a presentation. You will present a summary of your choices to your Flight Time in the fall. **Prior approval for alternate assignments must be gathered by the Advisory teacher.

Options:

1. Complete service learning hours. If you volunteer over the summer, you may present a summary of your experience for credit on this activity, in addition to receiving service hours. See the summary protocol attached. You will need to complete a HVA Service Hours Verification Sheet. You may volunteer at more than one location. (5 documented hours= 30 points)
2. Interview someone in a health science occupation. Please see the interview protocol. (60 pts)
3. Job shadow a professional in a Health related field. See the summary protocol attached. You will need to complete the Job Shadowing verification sheet. You may job shadow at more than one location. (5 documented hours = 30 points)
4. Read an approved novel and write a summary. Please see the summary protocol. (70 pts)
5. Listen to a Health Science related podcast from NPR. A good place to start is to look under Radiolab or Science Friday. The podcast that you choose must be at least 18 minutes long and have relevant science information. Please see the summary protocol. (30 pts)
6. Read a Health Science article from a reputable source. See the summary protocol. (30 pts)
7. Begin a regular exercise regimen. You must document the type of exercise and the total time that you are exercising. A parent, guardian, or other appropriate or responsible adult must sign your exercise log to verify that you are indeed exercising. They are not required to be physically with you at the time. If you participate in a sport over the summer, you may include those hours, however, you must be sure to document the hours as described approve. You must have a total of 30 hours logged. This option cannot be used to gather all required points. (30 points)
8. Give Blood! This option will count if you participate in the Fall Medic Blood Drive at HVA. You need to have Ms. Sarah Price sign off in order to receive credit. (30 points)
9. Make a podcast or video about a current and relevant Health Science topic. (60 points)

10. Take a CPR and/ or First Aid Certification Course. You will need to show your Certification card to your Advisory teacher in order to receive credit. (30 points)

1. Novels Approved List:

The Shift: One Nurse, Twelve Hours, Four Patients' Lives by Theresa Brown

The Hot Zone: A Terrifying True Story by Richard Preston

Andromeda Strain by Michael Crichton

The Forever Fix by Ricki Lewis

Survival of the Sickest by Dr. Sharon Moalem

Still Alice by Lisa Genova

My Sister's Keeper by Jodi Picoult

2. Summary Protocol: (To be used for podcasts, database articles, and novels)

CONTENT - What was it all about? What were the main concepts and ideas that were discussed? What was the question being investigated? If a scientific experiment is discussed, what methods did he/she use? What evidence was uncovered to support a new idea? Were any old ideas overturned? This section should be at least 8 sentences. Be sure to include a citation of your source.

SIGNIFICANCE- Describe why the subject is important. What is the significance to society? This section should be at least four sentences.

EVALUATION - Restate the main areas of importance and discuss the quality of it from your perspective as a student of health science. Did you find it interesting? useful? boring? Explain! Would you recommend it to the other members of the academy? How does it affect and/or impact you personally? Please explain the answers that you give to these questions. Do not leave out this important section. This section should be at least six sentences.

3. Interview Protocol

- Current title and role of individual
- Educational preparation required – years of schooling, degrees, continuing education
- Why he or she chose this profession
- A brief description of the field/career
- Current salary ranges, including starting salary
- Skills and strengths needed for success in the field
- Suggestions that the individual you are interviewing has for you as a Health Science student
- After you complete the interview, respond to the following reflection questions. What impressions do you have about this career? In what ways does it meet, exceed, or fail to meet your expectations? In what ways are you surprised by what you've learned?

4. Volunteer/ Job Shadowing Reflection

- Detailed description of work done or observed. Include explanations.
- Exposure to something that was unexpected or description of new learning
- Describe your thoughts, emotions, and feelings regarding your experience. Include things that you may have learned about yourself or challenges you may have faced and/or how you went about solving challenges.