

## Mrs. Cronin's Extra Credit Trimester 2

**This optional, extra credit assignment is due no later than January 10, 2020.**

**Early submissions welcome. NO LATE SUBMISSSIONS please.**

- **Point value: 10 points (counted towards a lab/packet/classwork, which is weighed as 25% of grade)**
- **All submittals must include appropriate citations (in MLA format). Lack of citation results in loss of points. I can help you (see me after you're done with report. Don't wait until the last minute!)**

### **Option 1:**

- Read a book about the life of any scientist, living or not living, male or female.
- Please do not pick a collection of short stories about multiple scientists.
- Please do not read an article or watch a video in lieu of a book!

Report to Mrs. Cronin on the following:

- What was your learning or take away from this book?
- What do you want to look into further after reading this book?
- Do you recommend this book? Why or why not?

Your report may be in any of the following formats:

- a) Writing a 2-page report (double spaced, 12-point font)
- b) You may also prepare a 5 slide PowerPoint presentation (excluding title slide you must have 5 slides)
- c) You may submit a video (no shorter than 90 seconds and up to 3 minutes)

### **Option 2:**

Research any scientific topic that may be of interest to you. Please do not do any experiments, as I do not want you to harm yourself or others.

Report to Mrs. Cronin on both of the following:

- Which topic did you pick to study further?
- Why did you choose this topic?
- What was your learning or take away?
- What do you want to look into further now that you have learned more about this topic?

Your report may be in any of the following formats:

- a) Building a model representing your research (If you choose the atomic models, you must build all the ones we discussed in the 12/4 lecture). Model may not be any bigger than 12 x 18 inches.
- b) Writing a 2-page report (double spaced, 12-point font)
- c) You may also prepare a 5 slide PowerPoint presentation (excluding title slide you must have 5 slides)
- d) You may submit a video (no shorter than 90 seconds and up to 3 minutes)

**How to submit? You may print out your submission (if a report or PowerPoint) or submit it via your Gmail account to Mrs. Cronin no later than 1/10/2020**

**Need ideas for researching? Below are some ideas (You are NOT limited to these; I want you to research a scientific idea that is of interest to you):**

- If interested in possibly pursuing a career in science, please research that career and required education.
- Pick a science fiction movie and watch it (with your parents' approval) and discuss what ideas from the movie are plausible and which are not.
- What are green buildings and are they worth the cost to build them?
- Why do animals hibernate? How do they know when to wake up?
- What are black holes?
- Why do stars twinkle?
- Love Fashion? Research how fabrics are dyed, or which fabrics are best/worst for the environment. You could also research the chemistry of cosmetics.
- Love sports or dance? Report on how your sport is affected by laws of physics (momentum, gravity, friction, etc.)
- Love computers, coding, or computer games? Pick a computer related topic and research that.

**Again, you're not limited to these topics. Pick a scientific topic that interests you!**