

At-Home Learning for Thursday, 3/19, to Friday, 4/3

The weeks during which we are “sheltering-in-place” to slow the spread of the novel corona virus are an opportunity for us to:

- Focus on an area of “applied” science that is critical to human society in ways we often take for granted: the field of public health.
- Explore the biology leading our current circumstances and how it relates to what we have been learning about genetics, mutation, and evolution.
- Review content we covered earlier in the year

The best way to stay on top of work for our class is to use what is posted in google classroom. The topics we will be covering are listed below. Links and in depth details will be added to Google classroom as we progress through the schedule. Class “office hours” will be emailed and posted on google classroom. At the beginning of each session, email me if you need an invitation to a video conference so you can join and check in, go over content, and answer questions.

Student Objectives

- Learn about the science and math of contagious diseases
- Finish what was going on in the last class
- Review for unit and final exams
- Extend learning on topics already introduced

ANY Late, completed or revised work from Second Semester is due by 02 APR 2020.

I. Public Health (Th, 3/19)

Science LA task COVID-19 CER

1. View the [COVID -19 Slide presentation](#)
2. <https://www.youtube.com/watch?v=Fqw-9yMV0sl&feature=youtu.be>
3. CER (see GCR for parameters: due Tue 3/31) Create a claim that

answers the question based on the Slide presentation

Use the Question: How can you and your family protect yourselves from COVID-19?

Create an evidence section where you draw on facts and statistical information from the presentation.

Write a three paragraph Reasoning essay

II. Biotechnology/Genetics Review (M, 3/23 - F 3/27)

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| A. Gene Expression and Punnett squares | M & T, 3/23 - 24 |
| B. Meiosis & Sexual Reproduction | W & Th, 3/25 - 26 |
| C. Pedigrees and complex inheritance | F & M 3/27,3/30 |

III. First Semester Review

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| A. Chemistry review, Biological Molecules, Water, Diffusion, and Osmosis | T & W 3/31- 4/1 |
| B. Cells & Mitosis | Th & Fr, 4/2 - 4/3 |

Extend learning on topics already introduced

1. Online learning resources specific to the Unit content for extended learning.
 - a. I recommend students access Google Classroom stream ~3x each day. Keep postings to the Stream school appropriate with the intent of helping each other progress through the pandemic.

Make up work **ANY Late, completed or revised work from Second Semester is due by 03 APR 2020.**

- a. Late work
- b. Incomplete fixes
- c. Revisions

Sense of Normalcy

- d. Communicate, use the question feature on Gclass and students interact via Gclassroom respectfully and responsibly.