

High School Science

Distance Learning Plan

Week of April 20 - 24, 2020

Biology Activities (Suggested: 45 minutes of off-line activities)

TEKS B.1©

Monday

Students are to review the study materials on ecosystems.

Tuesday

Complete activity on energy pyramid.

Wednesday

Complete activity on food web/ food chain.

Thursday

Complete activity on biotic and abiotic factors.

Friday

Review Biology EOC review packet. (in your notebook)

Chemistry Activities
(Suggested: 45 mites of off-line activities)

C.10 A C10E

Monday

Review all of the Gas Laws power point (notes in composition notebook)

Tuesday

Complete problems on Boyle's and Charles Law.

Wednesday

Complete problems on Avogardo's Law and Gussac Lussac Law.

Thursday

Complete notes in your notebook on the pH Scale. Complete pH handout.
Boiling and freezing points.

Friday

Review and Complete Missing or Late Assignments.

Anatomy & Physiology

(Suggested: 90 minutes of off-line activities) TEK(s) AP.4F

Monday

This lesson will describe the life and accomplishments of Dr. William Harvey. We will discuss his discovery of the circulatory system, as well as the impact his discovery has had on the medical field.

<https://classroom.google.com/u/1/c/NTc4NTY2NTI0MjVa/a/NzA4MTI1OTEyMzda/details>

<https://study.com/academy/lesson/william-harvey-biography-discoveries-accomplishments.html>

Tuesday

In this lesson, we will look at one of the most influential experiments in the field of microbiology. We will learn how Louis Pasteur disproved the theory of spontaneous generation which helped lead to the development of the germ theory of disease.

<https://classroom.google.com/u/1/c/NTc4NTY2NTI0MjVa/a/NzA4MTgyMDkzNzBa/details>

<https://study.com/academy/lesson/the-germ-theory-of-disease-definition-louis-pasteur.html>

Wednesday

In this lesson, we will briefly review the differences between aseptic technique and sterile technique. We will also focus on distinguishing the level of cleanliness required in each method. Select one of the two activities to turn in for lesson credit.

Activity 1. Create a chart listing the differences between aseptic and sterile technique
Activity 2. Answer the brief quiz attached to the video.

<https://classroom.google.com/u/1/c/NTc4NTY2NTI0MjVa/a/NzA4MTk5NjQ1NzRa/details>

Thursday

Learn what is involved in eliminating germs from healthcare equipment with liquid and gaseous chemicals. Diseases can be prevented by using the right chemicals and proper techniques. Select 1 of the 2 activities for lesson credit.

Activity 1: Write a small summary of how hospitals eliminate germs with chemicals.

Activity 2: Answer the brief quiz following the video:

<https://classroom.google.com/u/1/c/NTc4NTY2NTI0MjVa/a/NzA4MjUxNjY0ODFa/details>

Friday

Students select a lesson from Monday-Thursday and give a short summary. Summaries may include but not be limited to a concept map, written paragraph, Venn diagram or illustration.

Physics
(Suggested: 90 minutes of off-line activities) TEK:P.2G

Monday

Chemistry and physics are both physical sciences and are both interested in the structure of matter. However, they also have a great deal of differences. In this lesson, we'll compare and contrast the fields of chemistry and physics.

<https://classroom.google.com/u/1/c/NTc4NTY2NTQ0MDRa/a/NzA4MjUzMjU5MTJa/details>

Tuesday

Just like you and your friend communicate using the same language, scientists all over the world need to use the same language when reporting the measurements they make. This language is called the metric system. In this lesson we will cover the metric units for length, mass, volume, density and temperature, and also discuss how to convert among them.

<https://classroom.google.com/u/1/c/NTc4NTY2NTQ0MDRa/a/NzA4Mjg1NDc4NTIa/details>

Wednesday

How is solving a chemistry problem like playing dominoes? Watch this lesson to find how you can use your domino skills to solve almost any chemistry problem.

<https://classroom.google.com/u/1/c/NTc4NTY2NTQ0MDRa/a/NzA4Mjc2MzU4NTRa/details>

Thursday

There's quite a lot of algebra you need to know to do physics. Here we'll review some of the concepts needed for rearranging equations, working with polynomials, and working with exponents.

<https://classroom.google.com/u/1/c/NTc4NTY2NTQ0MDRa/a/NzA4MzA3NTc1MDRa/details>

Friday

Select a lesson from above, and summarize the lesson using a Venn diagram, bubble-chart, written paragraph or illustration.