

HCCMS 8th Grade Subject Newsletter

10-14-2022

8th Science:

Students will be comparing and contrasting heterogenous and homogenous mixtures as well as explain the difference between mixtures and pure substances (Standard S8P1a.). A test over this material will be Wed. Oct. 19th. At the end of the week, students will be writing an essay using the given science prompt. Daily lessons and classwork are available on your child's Google classroom.

Honors Physical Science

Standards:

SPS4a - Nuclear fission & fusion

SPS4b - Nuclear decay/transmutation reactions

SPS4c - Applications, benefits, & problems of nuclear energy

Agenda:

Monday - Lab: Modeling a Chain Reaction

Tuesday - Lesson: Artificial Decay; Project: Medical Isotope File (due 10/25)

Wednesday - Video Lesson: Three Mile Island 40 Years Later; Reading assignment: Comparison of Nuclear Disasters Article w/questions

Thursday - Lesson: Half-life w/practice; HW: Half-life Practice

Friday - Quiz: Half-life; Nuclear Chemistry Test Review (test 10/25)

8th Grade Math

This week students will be working on standard MGSE8.EE.4. We will finish dividing in scientific notation and then move to adding and subtracting numbers in scientific notation. We will also solve scientific notation word problems.

Accelerated Algebra I

This week students will be working on standards MGSE9-12.F.BF.1b, MGSE9-12.F.BF.4a, and MGSE9-12.F.BF.4b. Students will be adding, subtracting, and multiplying functions. They will learn how to find the composition of a function. Lastly, they will find the inverse of a function.

Georgia Studies

students will continue the unit on Westward Expansion in Georgia from the late 1700s to the mid-1800s. Students have learned the reasons for establishing the University of Georgia as the first public university of higher education in the entire young nation. Students have analyzed the reasons for the westward movement of Georgia state capitol, evaluated the intricacies of the impact of land policies used in Georgia including the headright system, land lotteries, and the embarrassment of the Yazoo Land Fraud. This week, students will explain how technological developments, including the cotton gin and railroads aided in the economic and physical growth of Georgia. Students will describe the role of William McIntosh in the removal of the Creek from Georgia, and analyze the key players like John Ross, John Marshall, and President Andrew Jackson as well as events such as the Dahlonega Gold Rush and *Worcester v. Georgia* led to the removal of the Cherokee from Georgia in the tragic event known as the Trail of Tears. *Key Terms and Vocabulary: University of Georgia, Louisville, headright system, Yazoo Land Fraud, Yazoo Act, land lottery, ceded, cotton gin, railroads, Creek, William McIntosh, Cherokee, Dahlonega Gold Rush, Indian Removal Act, John Ross, John Marshall, Worcester v. Georgia, Andrew Jackson, Trail of Tears*

Students can expect a test over Unit 4: Westward Expansion in Georgia on Thursday, Oct. 20, 2022.

8th grade Ela: ELAGSE8RL10, RL1, RL4, RL6, W1.

Students will read a historical fiction play to cover drama, act, scene, foil, script, figurative language, and learn how dialogue and character development propel the plot.

- Begin reading the play “The Diary of Anne Frank.”
- Research people affected by the Holocaust, using www.annefrank.org
- Discuss informational writing process
- 8-2 personal narrative
- Routine writing in connection with “The Diary of Anne Frank”
- Adv.- Discuss our next anchor activity for 2nd 9wks