

HCCMS 8th Grade Subject Newsletter

9-30-2022

8th Science:

Students will be learning about and exploring states of matter and phase changes (Standard S8P1.b). Students should be able to model and describe the movement of particles in solids, liquids, gases, and plasma states when thermal energy is added or removed. The second Checkpoint Challenge will be Wed. Oct. 12th that covers all standards students have learned so far this year. This assessment will count as a test grade as did the first one. Please see your child's Google classroom for all lessons and resources.

Honors Physical Science

Standards:

SPS1a - Structure of atoms, ions, & isotopes
SPS1b - Periodic table trends
SPS1c - Predicting properties of main group elements
SPS5a - States of Matter & Phase Changes
SPS5b - Gas Laws
SPS7c - Specific heat
SPS7d - Effect of Energy on Matter w/heating curve graph

Agenda:

Monday: Review for Checkpoint Challenge/9 weeks exam
Tuesday: Checkpoint Challenge/9 weeks exam
Wednesday: Lesson-Periodic Trends; Periodic Table Worksheet (originally planned for 9/30)
Thursday: Lab-Predicting the Density of an Element
Friday: Wrap-up & Review

Join my Remind: text @hps22-23 to 81010

8th Grade Math

This week students will work on standards MGSE8.EE.1, MGSE8.EE.3, and MGSE8.EE.4. Students will use properties of exponents to simplify expressions to a base raised to one power. Towards the end of the week students will convert from standard form to scientific notation and vice versa. If time permits students will multiply numbers in scientific notation.

Accelerated Algebra I

This week students will work on standards MGSE9-12.F.BF.2, MGSE9-12.F.IF.3, and MGSE9-12.F.IF.1. Students will learn about arithmetic sequences. They will learn how to find the common difference, next 3 terms, and nth term. Students will learn how to use both the explicit and recursive arithmetic formulas. Students will also begin learning how to determine the domain and range of a function given different representations.

Georgia Studies

Georgia Studies students will complete our unit of study over Georgia in the American Revolutionary Era. Students will analyze the role of Georgia in the revolution by explaining the causes of the war as they impacted Georgia. Students will include the causes of the French and Indian War, The Seven Years War, The Proclamation of 1763, and the Stamp Act. Students will interpret the three parts of the Declaration of Independence (preamble, grievances, and declaration) and identify the three Georgian signers of the document. Students will also analyze the significance of the Loyalists and Patriots as part of Georgia's role in the Revolutionary War including the Battle of Kettle Creek and the Siege of Savannah. Finally, students will analyze the weaknesses of the Articles of Confederation and explain how those weaknesses led to the writing of the new federal Constitution.

Key Terms and Vocabulary: American Revolution, French and Indian War, Proclamation of 1763, Stamp Act, Declaration of Independence, Button Gwinnett, Lyman Hall, George Walton, Loyalists, Patriots, Battle of Kettle Creek, Siege of Savannah, Articles of Confederation, Constitution of the United States, Constitutional Convention, Abraham Baldwin, William Few, Great Compromise

Students will take a unit test over this material Oct. 6, 2022.

Coastal Georgia Trip Update: The trip is now completely booked. In the shortest amount of time ever, the trip was completely booked in less than a week. If your child would like to go on the Wait List, it would be best to sign them up as quickly as possible. From time to time, students will back out of the trip for one reason or another. If your child is low on the Wait List, they could possibly move up to one of the spots for the trip.

Students will take a unit test over this material Oct. 6, 2022.

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

8th grade ela: ELAGSE8RL10, RL1, RL4, and RL6. Students will read grade level texts to cover plot diagram, figurative language, and tone, suspense. We will discuss the differences between radio plays vs. dramas/stage plays.

- Wrap up "The Hitchhiker" activities
- Quiz
- Review of reading/grammar skills
- Complete a personal narrative