

# HCCMS 8<sup>th</sup> Grade Subject Newsletter

## 1-23-2023

### **8<sup>th</sup> Science:**

Students will continue to learn about and explore energy forms and transformations (Standard S8P2c.) with a test over this material Wed. Jan. 25<sup>th</sup>. We then move onto heat transfer (Standard S8P2 d.) and finish the week with flashback Friday's GMAS review. All lessons and resources are located in your child's Google classroom.

### **Honors Physical Science**

Standards:

SPS8a - Speed, Velocity, & Acceleration

SPS8b - Newton's Laws of Motion

SPS8c - Freefall & Circular Motion

SPS8d - Work & Mechanical Advantage

Agenda:

Monday – Lesson: Freefall & Circular Motion (part 2); Gravity & motion worksheet

Tuesday – Velocity, Acceleration, & Newton's Laws of Motion Review

Wednesday – Test: Velocity, Acceleration, & Newton's Laws of Motion

Thursday – Lesson: Work & Mechanical Advantage w/practice

Friday – Additional Work & Mechanical Advantage practice; Section 14.2-14.3 Reading Activity

*Join my Remind: text @hps22-23 to 81010*

### **8<sup>th</sup> Grade Math**

This week students will be working on standards MGSE8.F.1, MGSE8.F.2, MGSE8.F.3, MGSE8.F.4, and MGSE8.F.5. Students will find the slope given a line, interpret the slope given a real life situation, and graph linear equations using the slope and y-intercept. If time permits, students will begin writing equations of lines given the slope and a point, the slope and a point, two points, and a graph.

### **Accelerated Algebra I**

This week students will be working on standards MGSE9-12.F.BF.2 and MGSE9-12.F.BF.3 Students will find the next three terms in a geometric sequence or the nth term of a geometric sequence. They will

learn about exponential growth, decay, compound interest, and half-life. If time permits, students will begin graphing exponential equations.

### **Georgia Studies**

Georgia Studies students will continue the unit on Georgia's Government. Students will read, discuss, and explain the basic structure of Georgia's government, the Legislative, Judicial, and Executive branches, and the adult and juvenile criminal justice systems. *Key Terms and Vocabulary: Georgia Constitution, responsibilities, separation of powers, voting qualifications, checks and balances, wisdom, justice, and moderation, rights, Pledge of Allegiance to the Georgia Flag*

Students can expect a Georgia Government Unit Test on Thursday, January 26.

**8<sup>th</sup> grade Ela**: ELAGSE8RL10, RL1, RL4, RL6, W1.

- Active and Passive Verb Voice (Inappropriate shifts in verb voice)
- Continue reading the *Touching Spirit Bear* novel by Ben Mikaelson
- Complete *Touching Spirit Bear* Assignments and Activities
- Narrative Writing