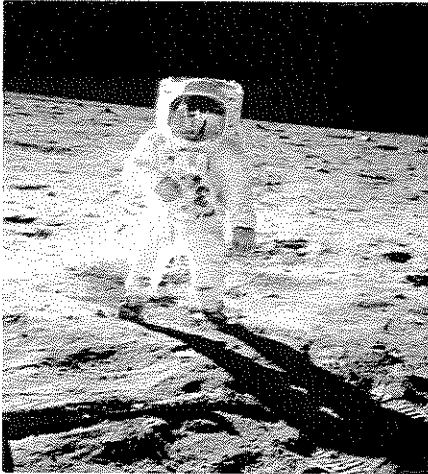


Summit Academy Science News

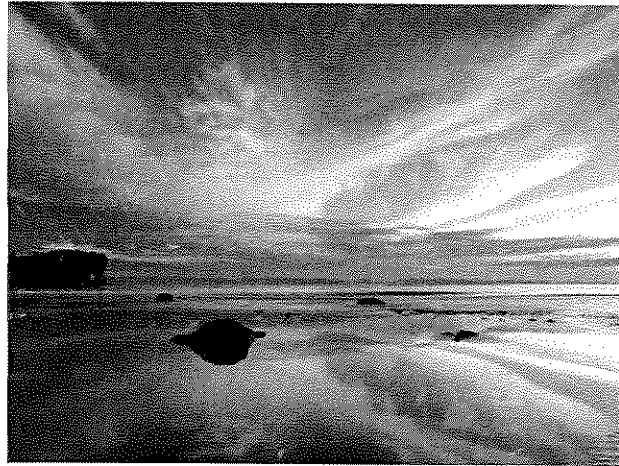
Week of January 9, 2012



7/8 Science

This week in 7/8 Science, we will continue our discussion of Astronomy. We will focus on learning more about the planets of the Solar System (Inner and Outer), moons (including how our moon affects our tides), comets, and asteroids. We may also begin construction of our classroom planetarium this week depending on how quickly students learn the new concepts.

A test is scheduled over the Solar System portion of our Astronomy unit on January 20. It is never too soon to begin preparing. I have included the learning objectives over which your student will be tested in this newsletter.



5/6 Science

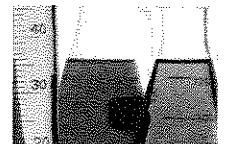
In 5/6 Science, we continue our unit on Weather. Monday through Wednesday will be spent learning more about the Atmosphere, energy in the Atmosphere, and the Coriolis Effect. We will be making barometers on Wednesday to test atmospheric conditions at Summit Academy. We will end on Friday with a cloud identification activity and we will make cloud mobiles. If you have any spare COAT HANGERS, please send them in for our class to use!

5/6 Science students can also expect to see a test sometime in late January or early February. Please begin preparing now with the attached learning objectives!

Contact Information

Phone: 419-385-5730

Mr. Siebenaler: *Science Chair* jonathon.siebenaler@summitacademies.org



Learning Objectives (through 1/13)

7/8 Science

Define planet

Outline the Solar System

Identify the Inner Planets

Identify the Outer Planets

Generalize the conditions on each planet

Compute one's age on a different planet when given rotation data

Differentiate between day, year, and seasons in relation to planetary rotation

Define moon

Give examples of moon names from other planets

Show how our moon affects tides

Discover how different tides occur from different phases of the moon (in-class)

Break down the phases of the Earth moon

Define comet

Define asteroid

Distinguish between comets and asteroids

Break down the components of a comet

Break down the components of an asteroid

Predict if a body will be a comet or asteroid

5/6 Science

Define atmosphere

Identify the layers of the atmosphere

Explain how temperature fluctuates in the atmosphere

Explain how pressure lowers with altitude

Explain atmospheric energy

Explain how wind is formed

Explain the Coriolis Effect

Discover the Coriolis Effect (in-class)

Define cloud

Explain how a cloud is formed

Differentiate between different types of clouds

Middle School News

January 9-13, 2012

We had a wonderful first week back from break! Our students were introduced to a brand new schedule, and a new teacher last week, but overall everything seems to be going great!

Friendly Reminders:

- Our classrooms can be really cold at times, and we ask that you please have your child dress appropriately. Long sleeves under the polo shirt are acceptable, and solid color jackets- blue, black, and hunter green may be worn. Winter coats and jackets with patterns may not be worn in class during the school day.

Upcoming Events:

- We will be having our math night on **January 25th** from 5-7pm. We will provide dinner for you at 5. This is a night you will not want to miss.
- On Friday, **January 27th** we will be having a skating party for those students who earn their points for having positive behavior. Please encourage your students to have good behavior while they are at school. The first week back went pretty well, so lets keep up the good work.!
- This week we are continuing to work on respect inside and outside of our classroom.

Below is an updated list of each subject and the teacher who is the lead of that subject. If you have any questions feel free to contact us at anytime.

Mr Cummings- Math

Mr. Siebenaler – Science

Ms. Lavelle- Social Studies

Ms. Robinson- Wellness, and Intervention Specialist

Students are placed in a reading group based on their ability. Therefore, every teacher has his or her own reading group. If you have any questions about reading contact one of us and we will get you to the right teacher.