

Summit Academy

Middle School News

Week of January 16, 2012



We hope you enjoyed your 3 day weekend! In honor of Martin Luther King Day, we are working on understanding diversity, and showing respect in our school. This week students will be working on different ways to show respect, and different ways to welcome diversity in the classroom.

Upcoming Events:

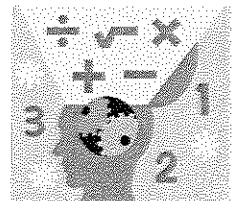
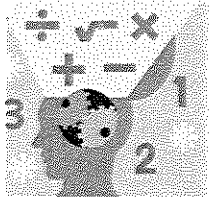
Please join us for our **Math Night on January, 25th**. Dinner will be provided and we will do some math from all around the world. This is definitely a night that you will not want to miss.

Cheerleaders- If you would like your daughter to participate in cheerleading this semester, and have not already turned in the permission slip- please do so as

soon as possible. We will start cheering on Saturday's in the beginning of February. (Schedule will come this week)

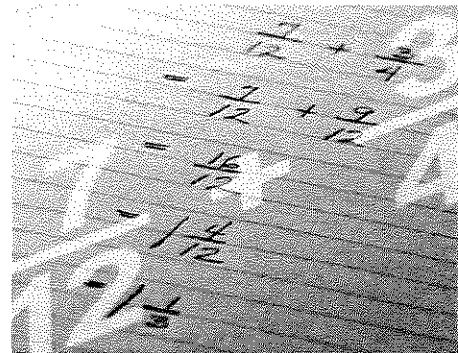
January 27th - Roller Skating party for those students who have earned their positive behavior points. Please encourage your child to keep up the good work as behavior continues to improve.

We will not have school this coming Monday, January 23rd. This is a teacher workday.



Summit Academy Math News

Week of January 17th 2012



7/8 Math

In 7/8 math, this week the students are going to be exploring working with fractions. Group 1 will begin understanding what fractions are and how they are related to division problems. Groups 2 and 3 will begin working on identifying fractions looking at Improper fractions and how to change them to mixed numbers. Then, they will learn how to change mixed numbers to improper fractions. Later in the week they will be exploring how to find the greatest common factor of 2 numbers. This will all be done with book work, incorporating the SmartBoard with lessons and using different math games to help students understand.

5/6 Math

In 5/6 math this week, we have one group that is just finishing up using variables in expressions and will begin working on using expressions to describe patterns. This will be done using the math program Envision math. The next group is going to finish working with multiplying greater numbers and at the end of the week they will begin working with exponents. The final group is nearing the end of working with division in Focus Math. They are working with 3-digit by 2-digit division with remainders. They will hopefully be finishing this up this week and will be taking their test on Friday.

Contact Information:

Phone: 419-385-5730

Mr. Cummings: *Math Chair* brent.cummings@summitacademies.org

Math Vocabulary

5/6:

Hundreds, tens, ones, remainder, partial product, divisor, divide, exponential notation, exponent, base, standard form, expanded form, squared, cubed, input/output table

7/8:

Regroup, Ones, Tens, Hundreds, Proper Fraction, Improper Fraction, Mixed Number, Factor, Common Factor, Greatest Common Factor (GCF)

Academic Content Standards

5/6:

4 NNSO-L.14 Demonstrate fluency in adding and subtracting whole numbers and in multiplying and dividing whole numbers by 1- and 2-digit numbers and multiples of ten.

6 PFA-G.06 Evaluate simple expressions by replacing variables with given values, and use formulas in problem-solving situations

6 NNSO-E.06 Use the order of operations, including the use of exponents, decimals and rational numbers, to simplify numerical expressions.

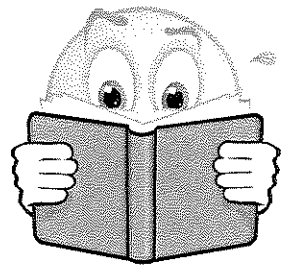
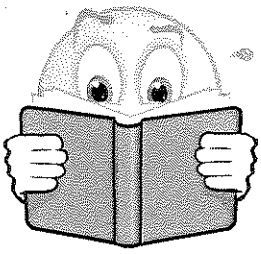
7/8:

5 NNSO-B.03 Identify and generate equivalent forms of fractions, decimals and percents.

5 NNSO-B.02 Use various forms of "one" to demonstrate the equivalence of fractions

3 NNSO-B.05 Represent fractions and mixed numbers using words, numerals and physical models

3 NNSO-B.06 Compare and order commonly used fractions and mixed numbers using numbers, models, points of reference, and equivalent forms using physical or visual models.



Summit Academy

Reading/Language Arts News

Week of January 9th 2012

"Congratulations to the Orange group who will be moving from Substep 1.3 to Substep 1.4 this week! In this new Substep, students will be more closely examining Bonus Letters and the doubling rule on the end of words. Students are responding excellently to the Wilson program. If parents with students in this group would at any time like a progress graph, please e-mail Mr. Siebenaler."

7/8 Grade Red Group

Students are going to be continuing to read the book "And Then There Were None". During this reading, the students will be filling out a packet that asks them questions about what they are reading. The students will also be continuing to work on their "And Then There Were None" projects. Each pair of students will be creating a Power Point Presentation on the book. They are creating an up-to-date movie idea about the book. They will need to pick actual celebrities that they want to play each of the characters in the book and explain why. They will also need to pick a current location and building that they would have the book take place. They will be finishing this up this week and will be presenting to the rest of the group on Friday. They will be working on their punctuation, spelling, parts of speech as well as other basic grammar areas. This will be done using a Student Grammar Book.

Reading/Language Arts Vocabulary

- A. Replete
- B. Reconnaissance
- C. Deferential
- D. Indictments
- E. Exonerated
- F. Forage
- G. Adroitly
- H. Port
- I. Ferret
- J. Caustic

Reading/Language Arts Academic Content Standards

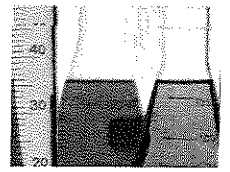
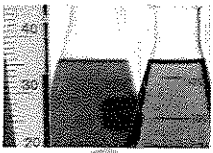
AV: 7.8 Determine the meanings and pronunciations of unknown words by using dictionaries, thesauruses, glossaries, technology and textual features, such as definitional footnotes or sidebars.

RP: 7.2 Predict or hypothesize as appropriate from information in the text, substantiating with specific references to textual examples that may be in widely separated sections of text.

RP: 7.4 Summarize the information in texts, using key ideas, supporting details and referencing gaps or contradictions.

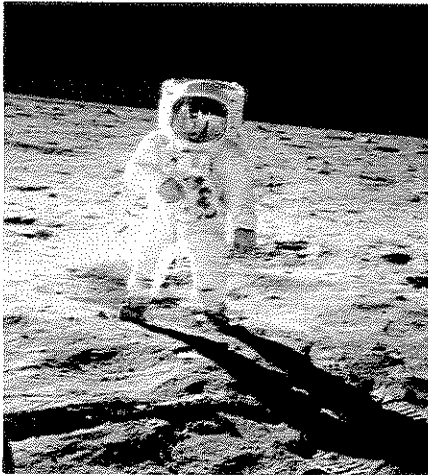
RP: 7.6 Answer literal, inferential, evaluative and synthesizing questions to demonstrate comprehension of grade-appropriate print texts and electronic and visual media.

Research: 7.8 Deliver informational presentations



Summit Academy Science News

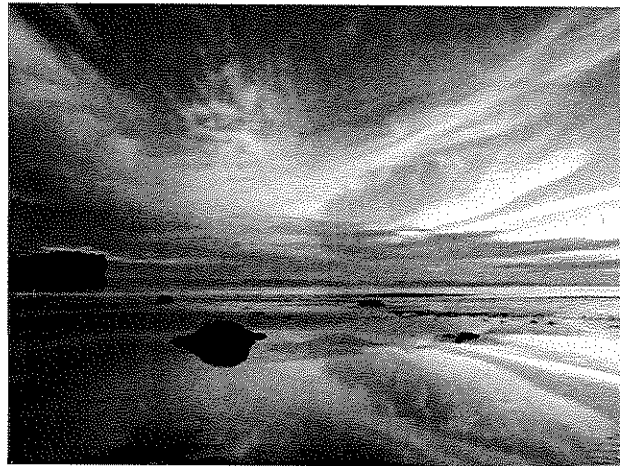
Week of January 16, 2012



7/8 Science

This week in 7/8 Science, we will continue our discussion of Astronomy. We will finish up the planets of our Solar System and begin learning more about moons (including how our moon affects our tides), comets, and asteroids. We will also continue construction of our school planetarium.

The test over the Solar System portion of our unit has been moved to January 26. This will be the first Science grade for the third quarter. It is never too soon to begin preparing. I have again 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. The majority of the week will be spent discovering more about the Coriolis Effect and about clouds. Students will be going on an adventure around the school to see the Coriolis Effect in action. We will also be making cloud mobiles and identifying many of the different kinds of clouds. 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