

# BRADFORD BULLETIN

BRADFORD ACADEMY'S PARENT UPDATE

## PHI'S THE LIMIT!

### SPECIAL POINTS OF INTEREST:

- **Jan 16th—No School**
- **Feb. 9th**—Alamance County Spelling Bee
- **GRANDPARENTS DAY**  
**FEBRUARY 17th**  
Mark your calendars. More information to come.

### PRAYER

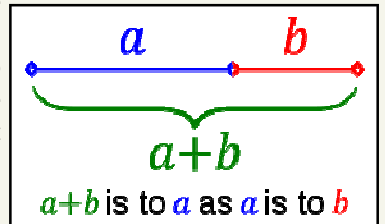
- **Financial Aid Fund** - Please pray for success in our effort to raise funds to provide aid to families who would like to attend Bradford Academy.
- **Students** - Please pray for spiritual fruit among our students.
- **Staff** - Pray for health and for creativity as we plan.
- **Enrollment**—Please pray for next year's enrollment!

### 3rd and 4th Grade Celebrate PHI DAY!

# Φφ

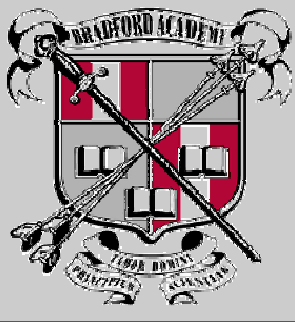
One of the goals of Bradford Academy is to help students see the wonder and beauty of God's creation. Mathematics is one of those areas that tend to elicit yawns and expectations of boredom. Typically, if one muscles his way through the hard work of practice and repetition and practice, each student can grasp a modicum of satisfaction in the use of arithmetic. I hope many will find great pleasure in its order and usefulness. Sometimes we need to take a break from the work and just have a little bit of math fun and wonder at its beauty. The 3rd and 4th grades did that last Friday when we celebrated PHI Day!

One of the most fascinating numbers is known as PHI. It is the numerical representation of what the ancient Greeks called the Golden Ratio and can be expressed as 1.618..... It is found in a line segment that is divided so that the short segment compared to the long is the same ratio as the long segment compared to the total. The fascinating thing about this ratio is that you find it naturally occurring throughout the created order whenever you start looking at proportion. It was thought to have been used in classical architecture, renaissance art, and can also be found in most award-winning modern photographs. It is believed that its proportions are most pleasing to the human eye. You approach the number the higher you go in the Fibonacci sequence (another fascinating math phenomenon: 1, 1, 2, 3, 5, 8, 13, 21, 34...). You'll also find it in all naturally occurring spirals such as the human ear, the cross section of a sea shell, the seeds on a sunflower, all the way to the spiral arms of a galaxy.

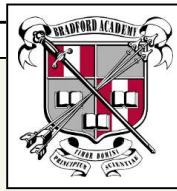


It is an excellent demonstration of God's creative order in this wonderful and mysterious world!  
Praise God for mathematics!

Peace and Grace!



TIMOR DOMINI PRINCIPIUM SCIENTIAE



# MR. JOHNSTON

# MRS. OGLE

**3rd Reading:** We continue our brief journey into Greek mythology.

**3rd Writing:** Expository paragraphs and key word outline

**4th Reading:** We continued reading Roger Green's retelling of the King Arthur legend. We enjoyed Sir Gawain and the Green Knight and the first quest of Launcelot!

**3rd Math:** We studied place value and writing in words large numbers, multiplying 3 and 4 digit numbers, reviewed multiplication facts.

**4th Math:** Multiplying three digit numbers or greater by three digit numbers including a zero.

**3rd Latin:** *LfC A* - Ch. 14—2nd Conjugation verbs

**4th Latin:** *LfC B* - Ch. 14 Cardinal numbers

**1st Science:** Molecules and atoms.

**2nd/3rd Grade Science:** Chemistry—States of matter.

**2nd/3rd Grade History:** Joseph and the famine in Egypt

**4th Grade History:** William the Conqueror and Cathedrals.

**4th Grade Science:** Chemistry—Reviewed states of matter, solutions, saturation. Our salt crystals did not turn out the way we had expected but still formed some interesting formations!

# MRS. HICKS

**Math:** Students learned to identify pairs, graph a design, read a graph and reviewed money.

**Phonics:** Reading, vowel review, sentence construction (spacing, wording, punctuation), and retell strategies.

**Centers:** Reading, sentence writing, coloring and copy-work.

**Art (K/1st):** Students were tested on their ability to recognize and replicate lines in art.

**Music (K/1st):** Students explored music around the world.

**P.E. (K/1st):** Practiced throwing and catching through various games.

**Science:** Students made a season chart to show how the weather changes behavior throughout the year.

**History:** Introduction to early church history.

**Verse:** John 3:16 "For God so loved the world that He gave His only begotten Son, that whoever believes in Him should not perish but have everlasting life."

**Review:** 1 Corinthians 14:40 "Let all things be done decently and in order."

**1st grade Phonics:** Read , "The Sailing Saint" and review of r blends.

**1st grade Math:** Naming a fractional part of a set, subtracting 0 facts, and adding two-digit numbers with regrouping using dimes and pennies.

**1st grade Grammar:** Pronouns and review of nouns as ideas.

**2nd grade Phonics:** Dictionary coding and the Floss Rule.

**2nd grade Math:** Writing division problems in three ways, dividing by 10, 7, and 1 , subtracting 2, and subtracting a multiple of 10 from a number using mental computation.

**2nd grade Grammar:** Complete subject and complete predicate.

**2nd grade Latin:** Chapter 18 (review).

**Specials:**

**4th grade Art:** The students looked carefully at lines and shapes as they drew a picture of a real koala.

**4th grade Music:** F#, staccato and tenuto marks

**2/3rd grade Art:** Students thought about the elements of shape and shading as they began drawing "Poppy" by Georgia O' Keeffe .

**2/3rd Music:** This week the students learned about whole, quarter, and half rests.

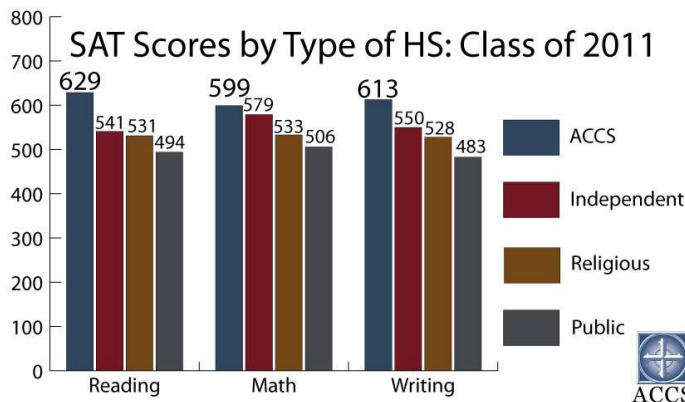
**2nd/3rd/4th grade P. E.:** Basketball (bounce pass and stationary dribble)



## CLASSICAL CHRISTIAN SCHOOLS REPORT STELLAR SCORES!!

The Association of Classical and Christian Schools (of which Bradford Academy is a member) just released some interesting data related to academic performance compared to other national norms. Again this year it appears that schools that share the same philosophical principles as our school have been successful in their mission to prepare children to excel! More statistics can be found here:

[http://accsedu.org/Statistics\\_at\\_a\\_Glance.ihtml?id=291192](http://accsedu.org/Statistics_at_a_Glance.ihtml?id=291192)



Data from the 2011 ACCS survey of member schools and the College Board, Total Group Profile Report, 2011 College-Bound Seniors, Table 6. The ACCS average represents scores from 414 students in 31 schools.

