



# FOURTH GRADE NEWSLETTER

November/December 2011



## THANKS!!!

The Fourth Grade Team is **thankful** for all the support you give your children and us throughout the year. We wish you and your families a healthy, joyous, and peaceful holiday season!



## BRRRRRR

Now that the weather is becoming colder, please make sure that your child has appropriate outdoor wear to stay warm during recess. One idea is to always keep gloves, a hat, and an extra sweatshirt in his or her locker to be handy to help “layer” clothing. We strongly feel that ALL children benefit from sunshine, fresh air, and a stretch break during recess. Help your child get prepared each morning for the weather by turning the forecast into a way to make wise dressing choices!



## H.I.K.E.

Remember to record reading time and responses in your journals. **BOOK BINGO** reading counts for H.I.K.E. too, so just record the book name, time read, and question number you answered in your H.I.K.E. journals. See the guidelines on our LSE website about **GOALS** and how to achieve them!



## IMPORTANT REMINDER!

- Please **DO NOT** distribute party invitations at school
- **EDIBLE TREATS** are **no longer permitted** to be offered to children **anywhere** in the school building
- **Hallway access will be blocked by locked gates** after school hours to insure the safety of our teachers. If your child forgets something at school, use the opportunity to create a plan to prevent recurrences. If you must return, stop in the office first.

## UPCOMING DATES

- 11/3** First marking period ends  
Two hour and forty-five minute early dismissal
- 11/9** **Report cards distributed**
- 11/14** Two hour and forty-five minute early dismissal
- 11/17&11/29** Conferences 3:00–6:30 p.m.
- 11/23 - 11/25** **Schools closed for Thanksgiving Holiday**
- 12/9** Two hour and forty-five minute early dismissal
- 12/23** Two hour and forty-five minute early dismissal
- 12/26 – 1/2/2012** **Schools closed for Winter Holiday**
- MSA Reading and Math window is from March 14 through March 28, 2012**



## GRADE 4 ILA

### direct reading and writing instruction includes:

- literacy community
- literacy groups
- writing process

**Houghton Mifflin anthology** is one resource for reading; see the attached letter describing our current reading theme

**Strive for 25 using Book Bingo** is our program to encourage each child to read books from various genres on his/her independent reading level. Check to see how book report cards you sign earn stickers to fill up the bingo card. Our goal is 25 books read = 25 stickers on each bingo card

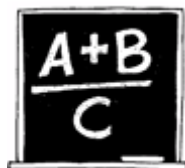
**Words Their Way** is our research-based word study program



### TECHNOLOGY!

Try accessing World Book online  
[Http://online.k12.carr.org/worldbook/index.html](http://online.k12.carr.org/worldbook/index.html)

(Name:ccps Password:media09)



## GRADE 4 MATH

*Directly access our team's math teachers at the following website:*

<http://members.thinkport.org/mdryden>

### Math Benchmarks:

- whole number relationships and computation; place value, estimation, addition, subtraction, multiplication, division
- knowledge of statistics: data displays and analysis
- knowledge of algebra, patterns, and functions
- knowledge of fractions
- computation of fractions and probability
- decimals – number relationships and computation
- knowledge of geometry
- knowledge of measurement



Carroll County  
math resource sites for:  
**students**  
[www2.carrollk12.org/instruction/elemtcurric/math/student.HTM](http://www2.carrollk12.org/instruction/elemtcurric/math/student.HTM)  
**Parents corner**  
[www2.carrollk12.org/instruction/elemtcurric/math/pmcorner.HTM](http://www2.carrollk12.org/instruction/elemtcurric/math/pmcorner.HTM)



## FOURTH GRADE MATHEMATICS – Cluster 3

Dear Parents,

Here is what your child is learning in fourth grade, Cluster 3, along with some specific ways you can help. Look for additional newsletters for upcoming units.

### ALGEBRA, PATTERNS, AND FUNCTIONS

*Students need to:*

- Identify, describe, extend, analyze, or create a non-numeric growing or repeating pattern
- Generalize a rule for a non-numeric growing pattern or repeating pattern
- Represent or analyze numeric patterns using skip counting by 3, 4, 6, 7, 8, or 9 starting with any whole number (0 - 100)
- Create a one-operation (+ or -) function table to solve a real-world problem
- Complete a function table using a given rule with one operation (+, -,  $\times$ ) using whole numbers (0 - 50)

### WAYS PARENTS CAN HELP

- Use small, household objects to create a growing or repeating pattern, then have your child describe what would come next in the pattern.
- Using a hundred chart\* (10 x 10 grid labeled 1 - 100), choose a number between 1 and 20 and skip count by 4's to 100. Each time your child lands on a number, have them color it in. Discuss the numeric and color pattern created.
- Take a walk outside with your child or look around your house and search for natural and man-made patterns.

\* Available from your child's teacher or search for it on-line.

### KEY VOCABULARY

**Function table:** a table which repeats a rule to determine how each input will be changed to produce each output.

**Growing pattern:** a type of pattern in which the successive elements increase at a constant rate.

Ex. A, B, AA, BB, AAA, BBB

**Non-numeric:** refers to a type of pattern comprised of shapes, letters, or symbols

**Numeric:** refers to a type of pattern comprised of numbers



## FOURTH GRADE MATHEMATICS – Cluster 4

Dear Parents,

Here is what your child is learning in fourth grade, Cluster 4, along with some specific ways you can help. Look for additional newsletters for upcoming units.

### NUMBER RELATIONSHIPS – MULTIPLICATION

*Students need to:*

- Demonstrate proficiency with multiplication and division facts (Up to and including  $10 \times 10$  and  $100 \div 10$ )
- Develop understanding of whole number multiplication through 1-digit multipliers by 3-digit factors and estimate products.
- Develop understanding of division with 2-digit numbers divided by 1-digit numbers, using pictures, manipulatives, and numbers.
- Use divisibility to determine if numbers are divisible by 2, 5, 9, and 10 with numbers to 1,000.
- Identify factors of whole numbers (0-24) and the first five multiples of any single-digit whole number.
- Identify prime numbers less than 50.
- Solve for an unknown in an equation, i.e.  
 $n \times 6 = 42$

### KEY VOCABULARY

*Divisibility:* a number is considered divisible by another number when there is a remainder of zero

*Factor:* a number that is multiplied to get a product

*Multiples:* the products of a particular number and any whole number. Ex. The first 5 multiples of 3 are: 3, 6, 9, 12, 15.

*Prime number:* a whole number that can be divided only by itself or 1, such as 2, 3, 5, 7

*Product:* the answer to a multiplication problem

*Quotient:* the answer to a division problem

*Remainder:* the number leftover after dividing one number by another

### WAYS PARENTS CAN HELP

- Practice multiplication and division facts on the computer by going to the county website's fact practice links  
<http://carrollk12.org/instruction/elemcurric/math/student.HTM>
- Write multiplication and division facts on a beach ball. Toss the ball to each player. Each time a player catches the ball, they state the answer to the problem, which is under their right thumb.
- Play Multiplication War! Use a deck of playing cards without the face cards. Aces equal one. Each player turns over two of their cards. They multiply the two numbers and state the product. The player with the greatest product wins all the cards in that round.