

Back To School Night

Fourth Grade

2010-2011

Math

What Will Your
Child Be Learning
This Year?

Algebra, Patterns, and Functions

- **Patterns and functions**
- **Mathematical expressions**
- **Algebraic Representations**
- **Graphic and Numeric Representations**

Geometry

- Properties of geometric figures
- Classification and applications
- Geometric representations
- Transformations
- Congruence and similarity





Measurement

- Measurable Attributes
- Measurement Process
- Measurement Calculation
- Measurement Application

Statistics

- Data Collection
- Data Organization
- Data Analysis-Displays
- Data Analysis-Measures



Probability

- Chance of Events and Outcomes
- Theoretical Probability
- Experimental Probability



Number Relationships and Computation

- Number Representation
- Number Comparison
- Number Theory
- Basic Facts
- Number Computation
- Number Properties
- Computation/Estimation Strategies

Mathematics

Instructional Block

A typical math class proceeds as follows:

- Warm-Up (Activator) activity
- Direct instruction and exploration
- Guided practice
- Independent practice



More Math...

- Each child has two consumable journals.
- **Math is five days a week for 70 minutes.**
- There are five units in fourth grade and six units for fifth grade established by the county that are tested at the end of each unit. A study guide will be given for each unit test. The test date will be announced in advance.
- **All math papers should be kept in the math section of the binder until they are told to be removed by the math teacher.**

Language Arts

What will your child be learning
during the L.A. block?

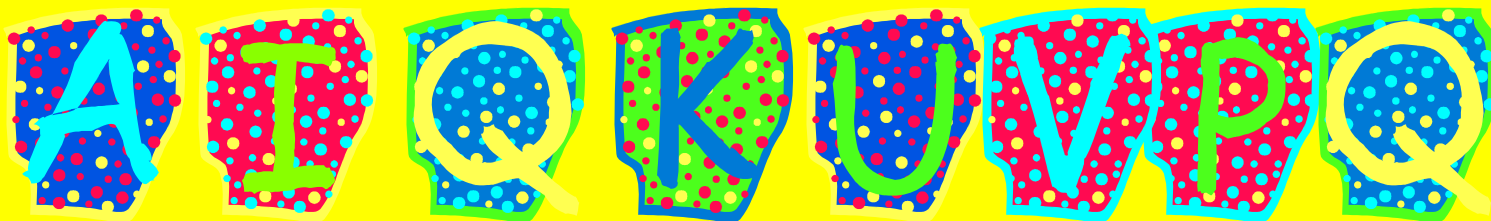
Reading

- Students will use a variety of text throughout the year: novels, Scholastic Storyworks, authentic documents, anthologies.
- There will be shared reading(literature circles), guided reading(small group instruction), modeled reading(read aloud).
- Vocabulary skills will include the knowledge of word parts, simple root words, and word relationships.
- Whole group instruction will be taught based on indicators.

A decorative border of colorful, polka-dotted letters surrounds the title. The letters include M, L, R, C, F, H, O, X, D, T, and N, arranged in a roughly circular pattern around the central text.

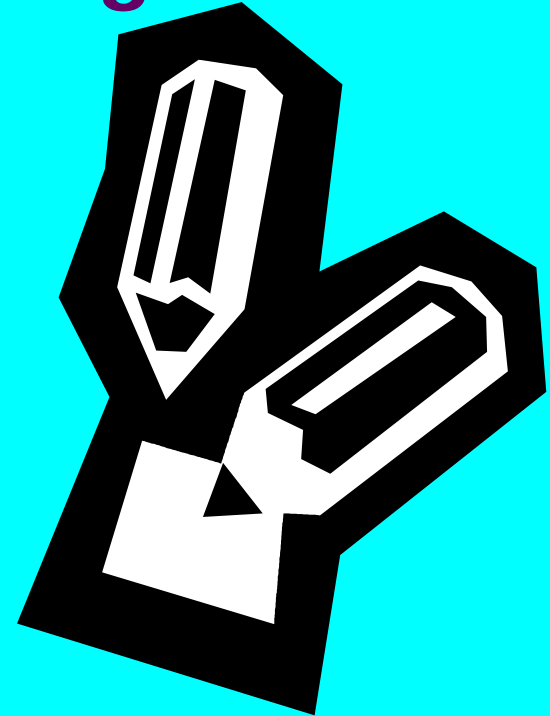
Spelling

- There are daily assignments which need to be completed in the Spelling spiral.
- Assignments may be worked on in class or assigned as homework.
- There will be a test on Fridays.
- There may be modifications by the homeroom teacher.

A decorative letter 'W' with a blue outline and a green background with red and blue polka dots.A decorative letter 'G' with a green outline and a blue background with red and blue polka dots.A vertical decorative border of colorful, polka-dotted letters. The letters include V, G, B, and E, arranged vertically on the right side of the page.A decorative border of colorful, polka-dotted letters at the bottom of the page. The letters include A, I, Q, K, U, V, P, Q, and E, arranged horizontally.

Grammar

- **Basic mechanics of writing**
 - capitalization
 - punctuation
 - types of sentences
 - parts of speech
 - proper usage





Writing

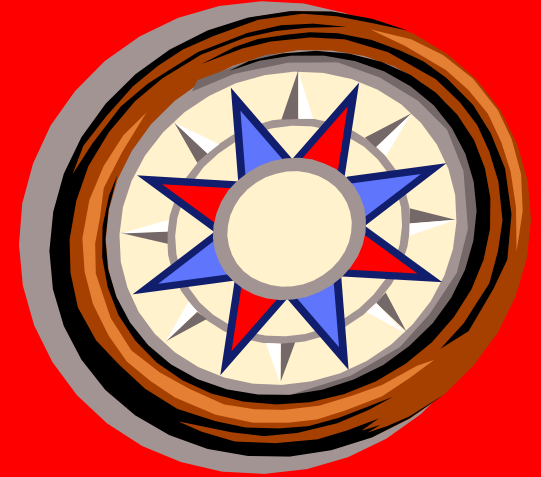
- Children will write to inform, persuade, and for personal expression.
- Each student has a Write Traits consumable book to use in writing class.
- Each child has an individual Writer's Notebook for their own creative writing.
- Students will be writing across the curriculum.
- Throughout the year children will write in some of the following forms:
 - letters
 - summaries
 - poetry
 - short stories
 - brief constructed responses (BCR)
 - writing prompts



Social Studies

- **Unit One-Native Americans of the Eastern Woodlands**
- **Unit Two-Migration Past and Present**
- **Unit Three-Maryland Colonization**

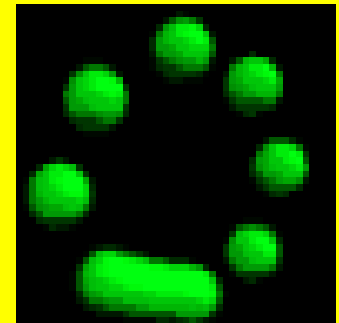
Geography/Social Studies



- **Geography of Maryland and the United States**
- **Impact of geography on settlement patterns**
- **Economic activity on Maryland and the U.S.**

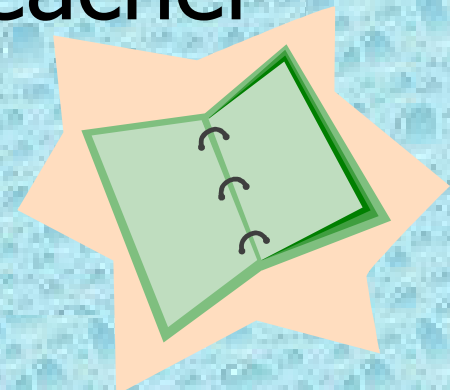
Science

- Quarter One - Life Science with Ecosystems (building/observing and maintaining)
- Quarter Two - Environmental Science with Ecosystems (pollution and its effects)
- Quarter Three - Chemistry with Changes of State: Solids, Liquids, and Gases
- Quarter Four - Earth Science



More on Science, Social Studies and Geography...

- Children are not responsible for a text book for any of these subjects
- All work should be held in the PROPER section of the binder until the unit is completed and the teacher has asked for the section to be cleared



Tenative Field Trips

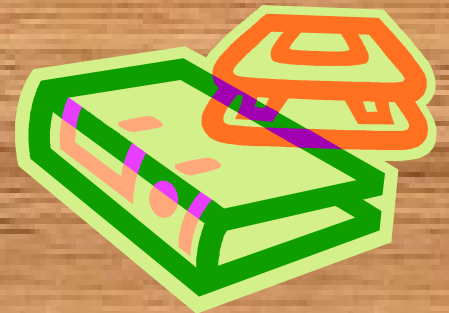
(We have the best in fourth grade!)



- **Close Encounters with Agriculture, Wednesday, October 13 (science)**
- **Natural History Museum: Gems and Minerals, Friday, April 29th**
- **St. Mary's City, Thursday, May 26th (social studies)**
- **Chesapeake Bay, Friday, June 2nd (science) **Tenative****

Homework Student Responsibilities

- Keep planner in binder at all times
- Fill out planner on a daily basis
- Complete homework neatly and on time
- Keep all assignments in correct section until told to clear



Homework

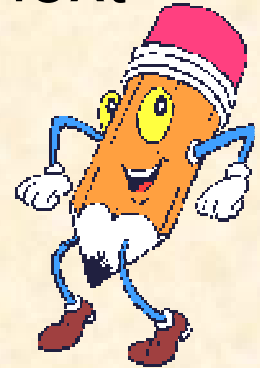
Parent Responsibilities

- **Check homework nightly**
- **Sign planner daily**
- **Check backpack every night for loose papers and notices**



Missing Assignment Sheet

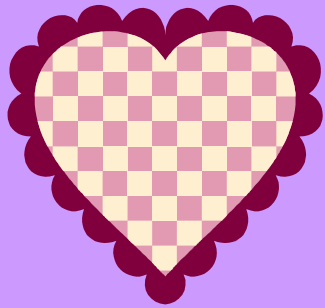
- Requires that work be completed by the next school day
- Requires parent or guardian signature
- Follow-up phone call if necessary
- Indicates that your child is late turning in assignments which impacts the Learning Skills section of the report card





Missed Homework

- **If your child is absent from school one or two days ample time will be given to complete assignments upon their return.**
- **If a child is absent for more than two days due to illness, teachers will prepare work to be sent home at a parents request.**
- **A minimum of 24 hours notice is required for teachers to prepare work to be sent home.**
- **On an extended absence, due to a trip, your child will keep a journal of their activities during their trip. Any missed work will be made up upon return at the teacher's discretion.**



Party, Party, Party!



- There will be a Halloween and Valentine's party
- Birthday celebrations are acknowledged with a simple snack for each child. The treat will be passed out at a time that does not interfere with instructional time, i.e. usually near the end of the day during lunch in the cafeteria.



Thank You!

We are looking forward to a
great year with your
children!