

WYNGATE ELEMENTARY SCHOOL
9300 WADSWORTH DRIVE
BETHESDA, MARYLAND 20817

Dear Parents,

Here is our Third Quarter Packet. Please, sign and detach the bottom of this page and return it to your child's homeroom teacher.

Thank you for your continued support.

Sincerely,

The Fifth Grade Team

Mrs. Levin
Mrs. Lipps
Mr. Mackall
Mrs. Spencer

I have read this packet of information and discussed it with my child.

_____ Parent Signature/Date

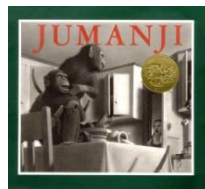
_____ Student Signature/Date

READING:

During the third quarter students will continue reading for literary experience. The two genres studied this quarter are plays and science fiction. In our study of plays we will be taking a closer look at dialogue and stage directions, understanding the plot, and determining the theme. Students are focusing on the story elements of science fiction, such as characterization, setting, scientific principles, and theme.

Studies of Jean Fritz and Chris Van Allsburg are included in this quarter. Jean Fritz was selected because of the numerous connections with our social studies unit. Chris Van Allsburg's picture books are examples of the modern fantasy genre. Students may even find connections to science fiction in some of Chris Van Allsburg's books.

Students will continue to read novels. Junior Great Books will be continued this quarter and the William and Mary curriculum will be introduced.



SPELLING and VOCABULARY:

Every other week, students will study spelling based on specific prefixes, suffixes, and root words. Students will brainstorm and generate lists of words based on a pattern. Then the students will self-select appropriate words to practice and study for the week. Spelling tests will be given every other Friday.

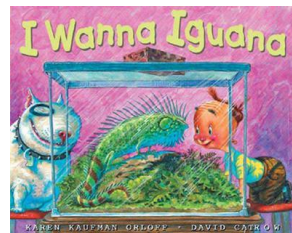
Vocabulary will be integrated into the Reading and Language Arts block for this quarter. Students will do activities in the book (**Wordly Wise**) during class and for homework. Each lesson is divided into 4-5 parts and completed over the course of one week. Students see the words in context and look more closely at word parts and meanings to develop new vocabulary. There will be a vocabulary test every other Friday.

WRITTEN EXPRESSION:

Opinion writing is the focus for the third quarter.
(Formerly known as persuasive writing)

On-going Objectives:

- to write for personal expression
- to write to inform
- to write to give opinions
- to focus on the six writing traits—ideas & development, organization, voice, word choice, sentence fluency, and conventions
- to organize information in passages and paragraphs



LANGUAGE/MECHANICS:

On-going objectives:

- to use correct grammar, punctuation, spelling and word usage

Materials:

- English-text
- Writer's Express
- Daybook of Critical Reading and Writing
- WriteTraits Kit

5th Grade Standard for Grading Usage, Spelling, Grammar, and Punctuation (Conventions)

Students are expected to use appropriate conventions on every assignment. However, we understand that students need direct instruction as their writing skills develop. Since the writing trait of Conventions has been covered in writing class, published writing will be graded for the use of correct conventions. However, rough drafts, writing journals, class notes, and writing in other subject areas will only be periodically monitored for mistakes. If writing in other subject areas is going to be graded for correct conventions, then the students will be notified ahead of time.

MATH 5:

Content Outline for Unit 3

Unit 3 A --- Whole Numbers and Decimal Fractions:

1. Relationships
2. Operations

Unit 3 B-- Decimal and Common Fractions and Percents:

1. Relationships
2. Operations

Content Outline for Unit 4

Data and Statistics:

1. Collecting and organizing data
2. Finding measures of central tendency
3. Analyzing and interpreting data

$$\frac{3}{10} = .3$$

$$\frac{17}{100} = .17$$

$$\frac{5}{100} = .05$$

$$\frac{323}{1000} = .323$$

$$\frac{47}{1000} = .047$$

$$\frac{9}{1000} = .009$$

Materials:

Harcourt Brace textbook
Harcourt Brace resource materials
Manipulative materials
Teacher-made worksheets
Games and puzzles

Assignments:

A daily assignment will be given in class. Some class time will be devoted to that assignment. Any work not completed in class will be a homework assignment for that night. All assignments will be corrected the following day.

MATH 6:

Content Outline for Unit 3 Geometry

Unit 3A - Shape and Movement

1. Angles
2. Triangles and Quadrilaterals
3. Size and Shape
4. Movement of figures on the coordinate plane

Unit 3B - Measurement and Formula

1. Area of polygons
2. Properties of circles
3. Two- and Three-dimensional figures

Content Outline for Unit 4 Algebra, Patterns, and Functions

Unit 4A – Patterns and Functions

1. Sequences
2. Functions
3. Interpreting Graphs

Unit 4B – Representations

1. Properties and Conventions
2. Expressions and Equations

Materials:

- Glencoe textbook
- Glencoe resource materials
- Manipulative materials
- Teacher-made worksheets
- Games and puzzles

Assignments:

A daily assignment will be given in class. Some class time will be devoted to that assignment. Any work not completed in class will be a homework assignment for that night. All assignments will be corrected the following day.

MATH 7:

Content Outline for Unit 3

Constructions and Geometric Properties

1. Congruent Segments and Constructions
2. Congruent Triangles and Constructions
3. Parallel Lines and Constructions
4. Similar Figures

Content Outline for Unit 4

Proportional Reasoning

1. Estimation and Proportional Reasoning
2. Percent and Proportional Reasoning
3. Application of Proportional Reasoning

NAME	FIGURE	AREA	PERIMETER CIRCUMFERENCE
TRIANGLE		$A = \frac{b \times h}{2}$	$P = MN + NP + PM$
PARALLELOGRAM		$A = b \times h$	$P = DE + EF + FG + GD$
RHOMBUS		$A = b \times h$	$P = b + b + b + b$ $P = 4b$
RECTANGLE		$A = L \times w$	$P = L + w + L + w$ $P = 2L + 2w$
SQUARE		$A = l^2$	$P = l + l + l + l$ $P = 4l$
TRAPEZOID		$A = \frac{(B + b) \times h}{2}$	$P = MN + NP + PR + RM$
CIRCLE		$A = \pi r^2$	$C = 2\pi r = \pi d$

Materials:

- Glencoe textbook
- Glencoe resource materials
- Manipulative materials
- Teacher-made worksheets
- Games and puzzles

Assignments:

A daily assignment will be given in class. Some class time will be devoted to that assignment. Any work not completed in class will be a homework assignment for that night. All assignments will be corrected the following day.

SCIENCE:

We will cover the Family Life and Human Development Unit from 4/23/12 - 4/27/12. The Information Session for parents to hear about this program is scheduled for March 27, 2012 at 7pm in Rooms 9 and 11. More information will be sent out in late February or early March.

Quarter 3: Astronomy

Objectives:

- Identify and describe the variety of objects in the universe
- Identify the Sun as the Earth's closest star
- Recognize that the pattern of stars in the sky stays the same although their locations in the sky appear to change with the seasons
- Identify and compare properties, location, and movement of celestial objects in our solar system
- Identify the properties of the planet Earth that make it possible for the survival of life as we know it:
 - Temperature
 - Location
 - Presence of an atmosphere
 - Presence of water (solid, liquid, and gas)
- Recognize and describe the causes of the repeating patterns of celestial events
- Describe the rotation of the planet Earth on its axis
- Recognize and describe that the rotation of planet Earth produces observable effects:
 - The day and night cycle
 - The apparent movement of the Sun, Moon, planets, and stars
- Recognize and describe that the revolution of the planet Earth produces effects:
 - Length of year
- Provide evidence to show that light travels in a straight line until it is reflected or refracted
- Recognize and explain how renewable and non-renewable natural resources are used by humans to meet basic needs



Materials:

Science: A Closer Look textbook (Macmillan/McGraw-Hill, 2008)
Building Skills: Visual Literacy (Macmillan/McGraw-Hill, 2008)
Building Skills: Activity Lab Book (Macmillan/McGraw-Hill, 2008)
Science Key Concept Cards (Macmillan/McGraw-Hill, 2008)
DE streaming – www.unitedstreaming.com
Maryland Voluntary State Curriculum
www.mdk12.org/share/vsc/vsc_science_gr38.doc

SOCIAL STUDIES: Unit 1 Continued

Continue Unit I - Citizens in Action: The Colonies Revolt

In this first unit we will study how citizens have created change throughout U.S. History by working within, as well as, outside of government. We will then move back to the Revolutionary period (1763-1783) to discover how and why colonists declared independence from Great Britain to create a new political system and nation.

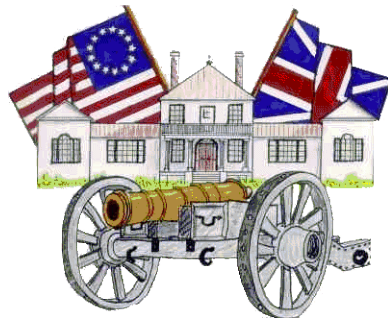
The following topics will be studied:

- * Individual responsibilities and rights, and the importance of civic participation.
- * The functions of the three branches and three levels of government.
- * Time line of turning points of great change in the United States history.
- * British government actions that caused colonists to protest and the variety of viewpoints taken concerning the British actions.
- * The meaning of symbols and slogans created by colonists in favor of developing an independent nation.
- * The significance and key points of the Declaration of Independence as well as the people and events associated with the writing of this important document.
- * Changes in daily life as colonists worked to create a new nation.
- * Obstacles and challenges colonists faced as they worked for independence.
- * Differences between the British and colonial armies and strategies and turning points of the war.

Materials:

History Alive!
The World Turned Upside Down
The Nystrom Atlas of Our Country's History
National Geographic Society Picture Pack of The American Revolution
America Will Be - text
Library resources - books, kits, etc.
Videos

During the 3rd quarter the students will be completing a webquest about the important events and battles that led to the winning of our independence from Britain. Students will describe each event and cite their sources. While working in groups, students will map these important events and battles by creating a "road map" that begins with the revolution and ends with the birth of our nation. The project, which combines reading skills, the use of technology, Social Studies concepts, and cooperative learning, will be completed under the guidance of Mrs. Bowman.

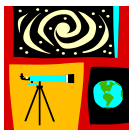


IMPORTANT DATES:

February 13 – NBMS Registration Form due to homeroom teacher

February 14 - Valentine's Day Party

February 16 – In-School Planetarium Trip!



March 2 - ½ day for students

March 7 – Math Olympiad

March 14 and March 15 - Reading MSA

March 20 and March 21 - Math MSA

March 27 – Parent Meeting on Family Life 7pm

March 29 - Last day of the 3rd quarter

March 30 - April 9 – No school for students

April 12 – Report cards go home for 3rd quarter

April 18 – 6th graders visit for Q&A

April 23 – April 27 – Family Life Unit

May 1 and May 2 – Science MSA

May 3 – Walk to NBMS for a tour

May 7 – Field Day (Grades 3-5)

May 10 – Grade 5 Class Photo

**May 11 - Philadelphia Field Trip!
(6am-6pm)**



May 15 – Patrol Picnic / Service Club celebration

June 1 – Pool Party

Jun 8 – Pool Party Rain date

June 11 – Yearbooks distributed

June 12 – ½ day / Last day of school for students