



## **School Curriculum**

**Last Revised April 2016**



# Kindergarten 4

## Math - K4

**Textbook:** No textbook

### **Specific Objectives:**

1. Counts Forward 0-100 Backward 10-0
2. Constructs numbers through manipulative
3. Extend a simple Pattern
4. Two dimensional Shapes
5. Compares the lengths of two objects
6. Concept of time
7. Positional words (over, under, behind )
8. Colors
9. Sorting
10. Calendar (day and month)

### **Methods and Approaches:**

- Number activity
- I Spy Colors
- Kitchen Center
- 100<sup>th</sup> of School
- Blocks
- Making Shapes With Crafts Stick
- Location of different Objects Using Positional Words
- Making Analog clocks
- Use Yarn to Measure different Objects
- Quilt Pattern

## Science - K-4

**Textbook:** No Textbook

### **Specific Objectives:**

1. Living and non-living things
2. Life cycle of a plant
3. The Four Seasons
4. The Five Senses
5. Earth, land air, and water
6. Weather
7. Objects Around us
8. Animal

### **Methods and Approaches:**

- Puppet show
- Planting Seeds
- Seasons Collage
- 5 senses book
- Earth Day Project
- Weather word wheel
- Children's Museum
- Greenville Zoo

## Social Studies - K4

**Textbook:** No Textbook

### **Specific Objectives:**

1. Family structure
2. Different careers
3. Recognize the need for rules
4. Land and water
5. Day and night
6. Now and then
7. Animals and their off spring
8. National holidays

### **Methods and Approaches:**

- Family tree collage
- Career Month
- Role play
- Earth model
- Modeling clay land forms
- Paper plates animals life cycles
- Columbus Day, Columbus ship
- Veterans Day, USA flag
- Thanksgiving Day, Turkey hat
- Martin Luther King Day hat
- President's Day hat
- Memorial Day Patriotic Paper

## Language Arts K4

**Textbook:** No Textbook

### **Specific Objectives:**

1. Beginning letter sounds
2. Recognizes rhyming words
3. Retell story read to student
4. Writes last and first name
5. Popcorn words (identify)
6. Respond to text via written response, drawing, creative dramatics, and performing arts
7. Show interest in reading
8. Recall details and answer questions from read aloud
9. Alphabets (identify and begins writing)
10. Speak in complete sentences

### **Methods and Approaches:**

- My ABC letter and sound Pictionary project
- My Family Book
- All About Me
- Pipe cleaner name project
- Pumpkin Patch (Project and Field Trip)
- Guest Reader
- Character Door Project
- Alphabet Hunt

- I Spy the Popcorn Words in the Book activity
- Class Play
- Dr. Seuss Project
- Finger Puppet Play
- Book Week
- Book Fair
- Children's Theater Field Trip
- Fix Silly Sentences

## Physical Development - K4

**Textbook:** No Textbook

### **Specific Objectives:**

1. Demonstrates Control, balance ,and coordination In body movements
2. Shows Control of drawing and writing tools
3. Performs self-care tasks independently
4. Demonstrates ability to focus attention on a variety of tasks for short periods of time
5. Attempts to solve problems encountered in play
6. Follow basic health rules
7. Follows class routines and rules
8. Demonstrates increasing ability to organize and use materials in the classroom
9. Demonstrates initiative in selecting and carrying out activities
10. Interacts appropriately and respectfully with adults and peers

### **Methods and Approaches:**

- Bowling
- Community Safety Bulletin Board of student drawings
- Cutting different shapes to make a collage
- Brushing teeth
- Floor Puzzle



# Kindergarten 5

## Math - K5

### Textbook:

Title: Math Connects

Author: Macmillan McGraw-Hill

Copyright: 2009

ISBN: 978-0-02-105736-8

### Specific Objectives:

1. Analyze and compare 2 dimensional and 3 dimensional shapes
2. Count numbers backward from 20 and count forward from 0 to 100
3. Fluently add and subtract within 5
4. Identify and know coins and dollar values
5. Recognize and extend simple patterns
6. Sort objects by different attributes
7. Tell time to the hour
8. Use calendar to identify days of the week and months of the year
9. Write numbers from 0 to 20
10. Use nonstandard methods to measure weight and length

### Methods and Approaches:

- Quilt pattern and Flag patterns
- Making analog clocks
- Making digital clocks
- 100<sup>th</sup> days of school activities
- Tens and ones cereal activities
- Children's made hundreds, tens, and ones

- Measuring activities
- Seeds flower garden
- Classroom reward shop
- Foam cubes addition and subtraction facts

## Science - K5

### Textbook:

Title: Science: A Closer Look

Author: Macmillan McGraw-Hill

Copyright: 2009

ISBN-13: 978-0-02-284197-3

### Specific Objectives:

1. Observe, sort, and classify objects
2. Can identify living and non-living things
3. Feel and observe texture of matter
4. Investigate using the five senses
5. Name and describe the 4 seasons
6. Observe and describe familiar objects
7. Understand the life cycle of plants and some animals
8. Recognize that parents - off spring of animals and plants similarities and differences
9. Recognize the forces push and pull
10. Explain how we depend on the environment

### Methods and Approaches:

- Pumpkin Patch
- Planting Seeds
- Seasons Collage
- 5 senses book
- Children's Museum

- Leaf sorting project
- Earth Day Project
- Greenville Zoo

## **Social Studies - K5**

### **Textbook:**

Author: Houghton Mifflin

Title: Social Studies: My World

Copyright: 2005

ISBN: 0-618-42365-6

### **Specific Objectives:**

1. Follow directions and recognize the needs for rules
2. Understand good citizenship
3. Construct a simple map
4. Identify key American figures and symbols
5. Understand family structure
6. Identify different landforms and water bodies
7. Know what is a community and community helpers
8. Recognize national holidays
9. Identify pilgrims as early American settlers
10. Name historical figures

### **Methods and Approaches:**

- Paper bag family trees
- Career Month
- Role play
- Modeling clay land forms
- Sewn baby dolls
- Drawing a school map

- Class president election
- Flag day
- Muslims Around the World
- Stop, drop, and roll play
- A visit to Mama's kitchen project

## Reading Foundational Skills - K5

### Textbook:

Title: Reading

Author: Houghton Mifflin

Copyright: 2008

ISBN 13: 978-0-618-85109-6

### Specific Objectives:

1. Demonstrate an understanding of the organization and basic features of print (e.g., follow words, left to write, top to bottom, page by page; words separated by spaces in print, etc.)
2. Recognize and name all upper and lower case letters.
3. Recognize and produce rhyming words.
4. Count, pronounce, blend, and segment syllables in spoken words.
5. Blend and segment onsets and rimes of single-syllable spoken words.
6. Isolate and pronounce the initial, medial vowel, and final sounds (phonemes) in three-phoneme (consonant-vowel-consonant, or CVC) words. (This does not include CVCs ending with /l/, /r/, or /x/.)
7. Add or substitute individual sounds (phonemes) in simple, one-syllable words to make new words.
8. Demonstrate basic knowledge of one-to-one letter-sound correspondences by producing the primary sound or many of the most frequent sounds for each consonant.
9. Associate the long and short sounds with the common spellings (graphemes) for the five major vowels.
10. Read common, high-frequency words by sight.



11. Distinguish between similarly spelled words by identifying the sounds of the letters that differ.

**Methods and Approaches:**

- Phonics Books
- ABC Books
- Letter sound songs
- Rhyming word songs
- Letter Craftivity
- Popcorn Words
- Leveled Readers and Bob Books
- Echo and Choral Reading

## Reading Literature - K5

### Textbook:

Title: Reading

Author: Houghton Mifflin

Copyright: 2008

ISBN 13: 978-0-618-85109-6

### Specific Objectives:

1. With prompting and support, ask and answer questions about key details in a literary and informational text.
2. With prompting and support, retell familiar stories including key details.
3. With prompting and support, identify characters, setting, and major events of a story.
4. Recognize common types of texts (e.g., stories, poems).
5. With prompting and support, identify the author and illustrator of a story and explain the role of each.
6. With prompting and support, describe the relationship between the illustrations and the story in which they appear (e.g., what moment in a story an illustration depicts).
7. With prompting and support, compare and contrast the adventures and experiences of characters in familiar stories.
8. With prompting and support, identify the main topic and retell key details of an informational text.
9. Identify the front cover, back cover, and title page of a book.
10. With prompting and support, identify the reasons an author gives to support points in an informational text.

### Methods and Approaches:

- *Graphic Organizers (e.g., beginning, middle, end)*
- *Book Songs*
- *Book illustrations*
- *Story retellings*
- *Peace Center Field Trips*
- *Book Week*
- *Character Dress Up Day*
- *Weekly reading logs*

## English Language Arts - K5

### Textbook:

Title: Reading

Author: Houghton Mifflin

Copyright: 2008

ISBN 13: 978-0-618-85109-6

### Specific Objectives:

1. Use a combination of drawing, dictating, and writing to compose opinion pieces in which they tell the reader the topic (or name of the book) and state an opinion (e.g., *My favorite book is...*).
2. Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about the topic.
3. Use a combination of drawing, dictating, and writing to narrate a single event or several loosely linked events, tell about the events in the order they occurred, and provide a reaction to what happened.
4. With guidance and support from adults, add details to strengthen writing as needed.
5. Print many upper and lower case letters.
6. Use frequently occurring nouns and verbs.
7. Form regular plural nouns orally by adding /s/ or /es/ (e.g., *dog, dogs, wish, wishes*).
8. Understand and use questions words: *who, what, when, where, why, how*.
9. Capitalize the first word in a sentence and the pronoun *I*.
10. Recognize and name end punctuation.

11. Write first and last name

**Methods and Approaches:**

- Writing notebooks
- Free-writing
- Opinion Writing (e.g., My Favorite Animal; My Favorite Book, etc.)
- Informational Writing (e.g., On the farm Writing)
- Narrative Writing (e.g., What I did on...)
- First and last name practice
- Writing upper and lower case letters
- Weekly reading responses (reading log)

# 1<sup>st</sup> Grade

## Math-1<sup>st</sup> Grade

### Textbook:

Title: Math Houghton Mifflin

Author: Houghton Mifflin

Copyright: 2007

ISBN: 978-0-618-59112-1

0-618-59112-5

### Specific Objectives:

11. Translate between numbers and quantity through 100
12. Numeric Patterns
13. Addition and Subtraction facts to the sum of 12
14. Analyze two and three dimensional shapes
15. Read the calendar and tell time to the half hour
16. Place value through 999
17. Measure length, weight, and temperature using standard and non -standard units
18. Determine value of coins up to a dollar
19. Pictographs, bar graphs and tally graphs
20. Addition and Subtraction with two digits numbers without regrouping

### Methods and Approaches:

- Dominoes/ Zap
- 2-D ,3-D shapes using marshmallows and toothpicks
- 100 Days of school
- Make clocks

- Macaroni house (100's , 10's and 1's)
- Temperature graph
- Grocery Store (Apr)



## Science - 1<sup>st</sup> Grade

### Textbook:

Title: Science A Closer Look

Author: Macmillan McGraw-Hill

Copyright: 2008

### Specific Objectives:

1. Basic needs of plants
2. Plant parts and life-cycle of plants
3. Different plant habitats
4. Sun is the source of heat and light
5. Movement of Earth and Moon around Sun
6. Different forces
7. Earth composition
8. Types of soil
9. Water locations on Earth
10. Mountains, Valleys and Plains

### Methods and Approaches:

- Pumpkin Patch
- 3-D model of solar system
- Children's Museum
- Rock Project
- Earth Day Project
- Greenville Zoo
- Science Fun Day

- Water body Model
- Plant habitat diorama



## Social Studies -1<sup>st</sup> Grade

### Textbook:

Author: Houghton Mifflin

ISBN 978-0-618-83089-3

Title: School and family

### Specific Objectives:

1. Understand the concept of community and identify home and community helpers
2. Distinguish between different kinds of jobs( service/goods jobs)
3. Recognize/ understand basic values of democracy ( making laws and protecting citizens)
4. Now and then
5. Understand basic function of government and how it affects our daily lives
6. Read a map using a map key
7. Recognize some past leaders and their contributions to our country
8. Identify the continents, state, country, on a map
9. Needs and wants and concept of society
10. Understand/Recognize national holidays and their significance

### Methods and Approaches

- Career Day
- Visit to the Fire Station
- Family Tree Project
- Past and present collage
- Mock Elections

- Black History Month Project
- Draw a map for your house
- Heroes of America project
- Landforms model
- Muslims Around the World
- Collecting food for the needy in the community

**Teacher Recommendations:**

## Reading Foundational Skills - 1<sup>st</sup> Grade

### Textbook:

Title: Houghton Mifflin Reading

Author: Houghton Mifflin

Copyright: 2008

### Specific Objectives:

1. Recognize the distinguishing features of a sentence (e.g., first word, capitalization, end punctuation).
2. Distinguish long from short vowel sounds in spoken single-syllable words.
3. Orally produce single-syllable words by blending sounds (phonemes), including consonant blends; isolate and pronounce initial, medial vowel, and final sounds (phonemes) in spoken single-syllable words.
4. Segment spoken single-syllable words into their complete sequence of individual sounds (phonemes).
5. Know the spelling-sound correspondences for common consonant digraphs, and decode regularly spelled one-syllable words.
6. Know final -e and common vowel team conventions for representing long vowel sounds.
7. Decode two-syllable words following basic patterns by breaking the words into syllables; determine the number of syllables in printed words based on knowledge that every syllable has a vowel sound.
8. Read words with inflectional endings.
9. Recognize and read grade-appropriate irregularly spelled words.
10. Read with sufficient accuracy and fluency to support comprehension.

### Methods and Approaches:

- Phonics Activity Centers
- Echo Reading

- Popcorn Reading
- Word Wall
- Book Adventure Reading Program
- Bob Books
- Online Phonics and Reading Videos (e.g., Alpha Blocks, Cliffhanger, etc.)

## Reading Literature - 1<sup>st</sup> Grade

### Textbook:

Title: Houghton Mifflin Reading

Author: Houghton Mifflin

Copyright: 2008

### Specific Objectives:

1. Ask and answer questions about key details in literary and informational texts.
2. Retell a text, including key details to demonstrate understanding.
3. Describe characters, setting, and main events in a story.
4. Identify words and phrases in a story or poem that suggest feelings or appeal to the senses.
5. Explain major differences between books that tell stories and books that give information.
6. Identify who is telling the story at various points in a text.
7. Compare and contrast the adventures and experiences of characters in stories.
8. Know and use various text features (headings, tables of contents, glossaries) to locate key facts or information in a text.
9. Identify the main topic and key reasons an author gives to support points in an informational text.
10. Understand synonyms, antonyms and homonyms.

### Methods and Approaches:

- Popcorn Reading
- Character Door Project
- Book Week



- Reading Buddies
- Book Adventure Reading Program
- Bob Books
- Genre classification
- Book fair
- Make synonym rolls
- Peace Center Field Trips
- Cooperative Learning
- Graphic Organizers (e.g., Venn Diagram, Lotus Organizer, etc.)
- Text Feature Books

**Teacher Recommendations:**

## English Language Arts - 1<sup>st</sup> Grade

### Textbook:

Title: Houghton Mifflin English

Author: Houghton Mifflin

Copyright: 2006

ISBN-13: 978-0-618-61125-6

ISBN-10: 0-618-61125-8

### Specific Objectives:

1. Write opinion pieces in which they introduce the topic (or the book) they are writing about, state an opinion, supply a reason, and provide some sense of closure.
2. Write informative/explanatory texts in which they name a topic, supply some facts about that topic, and provide some sense of closure.
3. Write narratives in which they recount two or more appropriately sequenced events, include some details regarding what happened, use temporal words to establish sequence, and provide some sense of closure.
4. With guidance and support from adults, focus on a topic and add details to strengthen it.
5. Print all upper and lower case letters using legible penmanship.
6. Use common, proper, and possessive nouns; capitalize dates and names of people.
7. Use the correct verb form with singular and plural nouns, and use verb tenses to show a sense of past, present, and future.
8. Use frequently occurring conjunctions, adjectives, and prepositions.
9. Produce and expand simple and compound declarative, interrogative, imperative, and exclamatory sentences.
10. Use end punctuation.

11. Use commas in dates and to separate single words in a series.

**Methods and Approaches:**

- Editor's Checklist
- Word Activity Centers
- Opinion Writing (e.g., Duck or Rabbit?, Johnny Appleseed Character Sketch, etc.)
- Informational Writing (e.g., Research Books, How to books, etc.)
- Narrative Writing (e.g., Favorite Vacation; What bugs me?, etc.)
- Squiggle Writing integrated reading/writing activity from *Harold and the Purple Crayon*
- Mentor Texts
- Autobiography Time Project (Integrated Social Studies and Writing project)
- Famous Person Biography Project (Integrated Social Studies and Writing project)
- Use dictionaries and thesaurus
- What bugs me? class writing activity
- Class Important Book

# 2<sup>nd</sup> Grade

## Math - 2<sup>nd</sup> Grade

### Textbook:

Title: Math Connects

Author: Macmillan McGraw-Hill

Copyright: 2009

ISBN: 978-0-02-105739-9

### Specific Objectives:

21. Place value through 9,999
22. Estimate between number and quantity through 1,000
23. Add and subtract though 999 (with regrouping)
24. Complete and extend growing and repeating patterns involving numbers, symbols, and objects
25. Make change up to a dollar and count a collection of coins and bills
26. Measurement in inches, centimeters, feet, yards, cups, quarts, gallons, ounces, pounds, Fahrenheit, and Celsius. ( 12 inches = 1 foot, 3 feet = 1 yard)
27. Tell time to the nearest quarter hour and 5 minute interval. (60 minutes = 1 hr, 24 hrs = 1 day)
28. Analyze and compare two and three dimensional shapes and identify lines of symmetry
29. Represent and compare data using pictographs, object graphs, bar graphs, tables, and charts
30. Simple multiplication and division like splitting an even number into groups to represent division.

### Methods and Approaches:

- Related online math games
- Math Calendar

- SAT Practice book
- Hot Potato skip counting game
- Ticket Out the Door skip count by 2s, 3s to 10s
- Super Speed Math (addition/subtraction)
- Addition Mission game
- Subtraction Action
- Make a house using polygons and circles
- Cube patterns
- Classroom Survey
- Guess What's Missing card game (addition/subtraction)
- Card Reveal Game (addition)
- Bean football (addition/subtraction)
- Probability Jar Game
- Total Value Coin game
- Toy Store Cashier (add, subtract, make change)
- 100th Day of School
- Gallon Guy
- School items measurement
- Bean sorting for multiplication and division facts
- Brain pop videos with online quizzes

## Science -2<sup>nd</sup> grade

### Textbook:

Title: Science A Closer Look

Author: Macmillan/McGraw-Hill

Copyright: 2008

ISBN: 978-0-02-284204-8

### Specific Objectives

1. Classify animals according to characteristics, needs and habitats
2. Identify the characteristics of plants
3. Animal and plant habitats, life cycles, and interdependence
4. Effects of Earth's rotation around Sun
5. Understand daily and seasonal weather
6. Water cycle
7. Properties of Magnets
8. Force and motion and how simple machines make work easier
9. Matter, its properties and it changes also states of matter
10. Energy
11. Temperature and climate

### Methods and Approaches:

- Animal and plant habitat diorama
- Clouds organizer
- Weather cycle song
- Messing with mixtures
- Magnet prediction box

- Earth Day Project
- Machine's demonstration
- Greenville Zoo
- 3-D model of solar system
- Science labs
- Animal and plant life cycle drawings
- Classroom zoo



## Social Studies - 2<sup>nd</sup> grade

### Textbook:

Title: Neighborhoods

Author: Houghton Mifflin

Copyright: 2008

ISBN: 978-0-618-83100-5 Textbook

### Specific Objectives:

1. What communities are and how they can be different from one another
2. Major landform types
3. Identify continents, oceans, your city, state, regional states, and country on a map
4. South Carolina state symbols
5. Local, state, and national government leaders and their jobs
6. Elections and voting
7. Urban, suburban, and rural areas
8. The economics of supply and demand and the difference between goods and services
9. Native American communities
10. Exploration and colonization of America

### Methods and Approaches:

- Career month
- Illustrations of urban, suburban, and rural areas
- American heroes project
- Mock election

- Travel scrapbook project
- Advanced organizers
- Map skills
- United States relief map project
- Arts Project on goods and services

## Spelling-2<sup>nd</sup> Grade

### Textbook:

Title: Spelling and Vocabulary

Author: Houghton Mifflin

Copyright: 2006

ISBN: 978-0-618-49209-1

### Specific Objectives:

1. Spell frequently used irregular words correctly (for example, was, were, says, said, who, what, why)
2. Words that contain prefixes (such as un-,re-,pre-,bi-,mis-,dis) and suffixes (such as -er,-est,-ful)
3. Number words one through one thousand
4. Spell words with sh, ch, th, wh, k, ck
5. Spell words ending with nd, ng, nk, nt, mp, er
6. Vowel + r sound
7. Spell basic short-vowel, long-vowel, r- controlled, and consonant-blend patterns correctly
8. Spell and break apart contractions (such as wouldn't = would not)
9. Compound words
10. Common homophones (ex: hair/hare)
11. Analyze spelling patterns in context and parts of multisyllabic words (for example, onsets and rimes)

### Methods and Approaches:

- Sparkle game
- Sparkle race

- Hot Potato sparkle game
- Hang man
- Guess the word (use hints)
- Contraction Tic-Tac-Toe
- Sidewalk Spelling Chart
- Class/School Spelling Bee
- Weekly spelling pre-tests and tests
- Word wall
- Dictation

## Reading - 2<sup>nd</sup> Grade

### Textbook:

Title: Reading

Author: Houghton Mifflin

Copyright: 2008

ISBN-10: 0-618-85145-3

### Specific Objectives:

1. Generate and answer questions such as who, what, when, where, why, and how to demonstrate understanding of key details in a text.
2. Analyze literary and informational texts to make, revise, and confirm predictions, make inferences, and draw conclusions.
3. Analyze a text to determine author's purpose and how it shapes meaning in a text
4. Distinguish between the point-of-views of different characters.
5. Describe how characters in a story respond to major events and challenges.
6. Analyze the effects of author's craft (word choice, figurative language, and sound devices) and illustrations on the meaning and tone of a given text.
7. Summarize key details and ideas to support the analysis of a main idea.
8. Generate the meaning of unfamiliar and multiple meaning words using context clues, and common affixes and roots.
9. Read a variety of genres and distinguish characteristics of different literary genres (realistic fiction, fantasy, folktales, and fables).
10. Use text features, such as headings, subheadings, print styles, visual aids, captions, and chapter headings to gain information.

### Methods and Approaches:

- Character and Story Acrostic Poems

- Scene changer performances
- Story map caterpillars
- Character Sketch
- Readers theater
- Biography book project
- Book Week
- Book report project
- Book Fair
- Journal entries
- Advanced Organizers
- Book Week

## Writing/Grammar – 2<sup>nd</sup> Grade

### Textbook:

Title: English

Author: Houghton Mifflin

Copyright: 2006

ISBN: 978-0-618-61126-3

### Specific Objectives:

1. Write opinion pieces that include supporting reasons.
2. Write informative/explanatory texts that use facts and definitions to develop a topic.
3. Write narrative texts that recount a well-elaborated event or short sequence of events.
4. Focus on a topic and strengthen writing by revising and editing (with guidance and support from peers and adults).
5. Use collective nouns (group), form and use irregular plural nouns (mice, feet, teeth, children) and reflexive pronouns (myself, ourselves).
6. Form and use the past tense of irregular verbs (sat, hid, told)
7. Use adjectives and adverbs and choose between them depending on what is to be modified.
8. Produce, expand, and rearrange simple and compound sentences.
9. Capitalize proper nouns, including holidays, product names, and geographic names
10. Use commas in the greetings and closing of letters, and use an apostrophe to form contractions and frequently occurring possessives.

### Methods and Approaches:

- Writer's Workshop

- Guided Pre-writing Activities (graphic organizers, lists, story maps, etc.)
- Self and Peer Editing
- Personal narrative
- Story
- Instructions
- Important American Biography
- My Favorite Place Descriptive Paragraph
- Free-writing
- Writing convention centers (e.g., capitalization, contractions, nouns and verbs, etc.)
- Proofreading practice
- Friendly letters



# 3<sup>rd</sup> Grade

## Math - 3rd Grade

### Textbook:

Title: Math Connects

Author: Macmillan McGraw-Hill

Copyright: 2009

ISBN: 978-0-02-105743-6

### Specific Objectives:

1. Place value through 999,999
2. Add and subtract though 9,999 with regrouping and subtracting across zeros
3. Multiply and divide by 0-12 and multiply two-digit numbers by one-digit numbers
4. Make change using the fewest number of bills and coins
5. Measurement using customary and metric units (length, temperature, capacity, weight/mass) (12" = 1 ft., 3 ft. = 1 yard, 36" = 1 yard; 1 gal = 4 qt. = 8 pt. = 16 cups, etc.)
6. Tell time to the nearest minute (60 seconds = 1 minute)
7. Find the perimeter of polygons
8. Classify polygons, lines, angles, and triangles, and identify features of circles (center, radius, circumference, diameter)
9. Understand fractions as part of a whole and represent fractions that are greater than or equal to 1
10. Analyze and interpret data in pictographs, bar graphs, dot plots, and line plots

### Methods and Approaches:

- Related online math games
- Math Calendar
- SAT Practice book
- Fraction Stations Flipbook
- Hot Potato skip counting game
- Super Speed Math (addition/subtraction/multiplication)
- Guess What's Missing card game (multiplication/division)
- Card Reveal (multiplication)
- Candy Store (add, subtract, make change)
- Function Munchkin Machine Game
- Family measurement Project (measurement)
- Playground Perimeter
- Lego Volume
- Math center

## Science - 3rd Grade

### Textbook:

Title: Science: A Closer Look

Author: Macmillan McGraw-Hill

Copyright: 2008

ISBN: 978-0-02-284207-9

### Specific Objectives

1. Scientific method and processes
2. Animal and plant structures, characteristics, adaptations (physical and behavioral), and habitats
3. Life cycles of different animals and plants
4. Classify rocks and soils, and identify minerals
5. Earth's land and water features
6. Earth's changes due to slow and rapid processes
7. Different states of matter and their properties
8. How matter changes state (physical and chemical changes) and the effects of heat on matter
9. Motion of objects, including position, speed, direction, and the effects of gravity
10. Sound as a form of energy (pitch and volume)

### Methods and Approaches:

- Animal adaptations in everyday household items
- Plant diagram and labeling
- Life cycle of simple and complete metamorphosis
- Quick changes to earth gestures

- Rock fact book project
- States of matter and our everyday needs
- Science labs
- Sound centers
- Advanced organizers

## Social Studies - 3rd Grade

### Textbook:

Title: Social Studies: Communities

Author: Houghton Mifflin

Copyright: 2008

ISBN: 978-0-618-83101-2

### Specific Objectives:

1. American colonies and the American Revolution
2. Purpose and responsibilities of government and citizenship
3. The three branches of government
4. Westward expansion, pioneers and explorers
5. American Civil War
6. The role of immigrants in America, past and present
7. Economics in everyday life and trade between countries
8. What culture is and how different cultures are alike and different
9. Important holidays and national heroes in American culture
10. Geographical terms and map skills

### Methods and Approaches:

- Career month
- Visit from the Fire Station
- Timeline Poster Project (American Civil War)
- Immigrant interview and presentation
- Create a new use invention project
- Our government book

- Biographies of American cultural heroes
- The First Thanksgiving comic strip
- "If You Give a Mouse a Cookie..." project (understanding goods, services, wants, needs)
- Mock presidential election
- Black History Month
- *Meet Addy* integrated Language Arts unit about the Civil War

## Spelling - 3rd Grade

### Textbook:

Title: Spelling and Vocabulary

Author: Houghton Mifflin

Copyright: 2006

ISBN: 978-0-618-49210-7

### Specific Objectives:

1. High frequency words
2. Words that have blends
3. Contractions
4. Abbreviations
5. Compound words
6. Words with "qu" sounds
7. Common homonyms
8. Number words up to one million
9. Plural patterns (adding -s, -es, dropping -y and adding -ies)
10. Words with double consonants

### Methods and Approaches:

- Student created crossword puzzles and word searches
- Spelling cheers
- Spelling bee (class bees, school bee, and Regional spelling bee)
- Spelling dictionary
- Word wall
- Word tile word creation



- Sidewalk chalk spelling
- Weekly spelling pre-tests and tests
- Dictation

## Reading - 3rd Grade

### Textbook:

Title: Reading: Grade 3 Horizons

Author: Houghton Mifflin

Copyright: 2008

ISBN: 978-0-618-85162-1

### Specific Objectives:

1. Summarize key details and ideas to support analysis of thematic development.
2. Analyze literary and informational texts to make, revise, and confirm predictions, make inferences, and draw conclusions.
3. Analyze a text to determine author's point of view (first and third person), perspective, and purpose and determine how these shape meaning in a text.
4. Generate and answer questions about texts, referring explicitly to a text as a basis for the answer.
5. Analyze the relationship among characters, setting, and plot in a literary text.
6. Analyze the effects of author's craft (word choice, sentence structure) and illustrations on the meaning and tone of a given text.
7. Determine the main idea in an informational text; provide key details from the text and explain how they support the main idea.
8. Use text features, such as headings, subheadings, print styles, visual aids, captions, and chapter headings to gain information.
9. Generate the meaning of unfamiliar and multiple meaning words using context clues, and common affixes and roots.
10. Read a variety of genres and distinguish characteristics of different literary genres (fairy tales, historical fiction, trickster tales, etc.).

## **Methods and Approaches:**

- Interactive Vocabulary Notebook
- Written conversations
- Reading bookmarks (students write down information that supports what they already know, reminds them of something, or surprises them as they read)
- Coded reading (e.g., ? don't understand, ! something I already know, R reminds me of...)
- Cause/effect graphic organizers
- Simile search
- Character sketches and bio-poems
- Main idea/details web diagrams
- Charlotte's Web ABC Book
- Making predictions using text elements (e.g., headings, captions)
- Meet Addy integrated Language Arts and Social Studies unit
- Shoebox Book Project

## Writing/Grammar – 3rd Grade

### Textbook:

Title: Units of Study in Opinion, Information, and Narrative Writing English

Author: Heinemann; Houghton Mifflin

Copyright: 2013; 2006

ISBN: 978-0-325-04756-0; 978-0-618-61127-0

### Specific Objectives:

1. Write opinion pieces that support a point of view with reasons.
2. Write informative texts to examine a topic and convey ideas and information clearly.
3. Write narratives to develop real or imagined experiences using effective technique, descriptive details and clear event sequences.
4. Produce writing in which the development and organization are appropriate to task and purpose (with guidance from adults).
5. Develop and strengthen writing by planning, revising, and editing (with guidance and support from adults and peers).
6. Conduct short research projects that build knowledge about a topic.
7. Understand the functions of nouns, pronouns, verbs, adjectives, and adverbs.
8. Form and use regular and irregular plural nouns, possessive nouns, and abstract nouns.
9. Form regular and irregular verbs, comparative and superlative adjectives and adverbs, and ensure subject-verb and pronoun-antecedent agreement.
10. Produce simple, compound, and complex sentences and use coordinating and subordinating conjunctions.
11. Write dialogue correctly, capitalize titles, and use commas after direct addresses.

## **Methods and Approaches:**

- *Writer's Workshop*
- *Guided Pre-writing Activities (graphic organizers, lists, etc.)*
- *Writing Checklists*
- *Writing Conferences*
- *Personal Narrative*
- *Fractured Fairy Tale Writing*
- *Opinion Writing*
- *Informational Writing*
- *Mini-Research Projects*

# 4<sup>th</sup> Grade

## Math - 4th Grade

### Textbook:

Title: Math Connects

Author: Macmillan McGraw-Hill

Copyright: 2009

ISBN: 978-0-02-105745-0

### Specific Objectives:

1. Place Value hundredths through billions
2. Add and subtract decimals through hundredths
3. Represent Improper fractions, mixed numbers, and decimals
4. Multiply whole numbers
5. Divide whole number by single-digit divisor
6. Measurement in liquid volume, time, weight, and length: (8 liquid ounces = 1 cup, 2 cups = 1 pint, 2 pints = 1 quart, 4 quarts = 1 gallon; 365 days = 1 year, 52 weeks = 1 year; 16 ounces = 1 pound, 2,000 pounds = 1 ton; and 5,280 feet = 1 mile.)
7. Determine elapsed time in hours, and minutes within a 12-hour period.
8. Two and three-dimensional shapes (quadrilaterals, congruency, transformations, lines, angles etc.)
9. Fractions (improper fractions, mixed numbers, decimals)
10. Data, line graphs, bar graphs and double bar graphs

### Methods of Approach

- Related online games
- Math Calendar

- SAT practice book
- Super Speed Math (multiplication/division)
- Hot Potato (multiplication/division)
- Long Division Mission
- Guess What's Missing card game (Multiplication/Division/equations)
- Improper Fractions Actions
- Function Munchkin (Multiplication/Division)
- Build a shape (nets)
- Household Expenses graphs on excel
- Battle Ship Grid
- Triple M card game (mean, median, mode)
- Lego Volume
- Math centers



## Science-4th Grade

### Textbook:

Title: Science a Closer Look

Author: Macmillan/McGraw-Hill

Copyright: 2006

ISBN: 978-0-022-84137-9

### Specific objectives:

1. Plan and conduct a controlled scientific investigation
2. Classify organisms into major groups according to physical characteristics
3. Explain the influence of environment on organisms living in those environments
4. Understand the properties, movements, and locations of objects in the solar system
5. Compare the properties and location of the Earth, the Sun, and the Moon
6. Explain how the tilt and rotation of Earth causes seasons and night and day
7. Understand weather patterns and phenomena
8. Make weather predictions using collected and observed data
9. Understand the properties of light and electricity
10. Summarize how light travels and explain what happens when it strikes an object
11. Illustrate electric currents in series and parallel circuits

### Methods and Approaches:

- Environment research project and model
- Science labs
- Night and day flashlight demonstration

- What would happen if... scenarios
- Life on Earth without the Sun? Project
- Weather data collection and prediction project
- Cycles of the moon flip book
- Solar system model
- Science Fair
- Advanced organizers

## **Social Studies - 5th Grade**

### **Textbook:**

Title: Social Studies: States and Regions

Author: Houghton Mifflin

Copyright: 2008

ISBN: 978-0-618-83102-9

### **Specific Objectives:**

1. *Geographical features and regions of the U.S.*
2. *Geography, Economy, and Culture of the Eastern Region*
3. *Geography, Economy, and Culture of the Southern Region*
4. *Geography, Economy, and Culture of the Midwestern Region*
5. *Geography, Economy, and Culture of the Western Region*
6. *Locate U.S. states and capitals on a map*
7. *North American neighbors*
8. *Voting, elections, and the structure of U.S. government*
9. *Important holidays and national heroes in American culture*

### **Methods and Approaches:**

- *Career Month*
- *Our government book*
- *Region Mobile*
- *Mock presidential election*
- *Map skill activities*
- *Graphic organizers and mind maps*
- *Letters from a Historical Figure's Perspective*

- Regional maps
- Historical Figure character sketch
- Regional pictographs, bar graphs, and charts

## Spelling - 4th Grade

### Textbook:

Title: Spelling and Vocabulary

Author: Houghton Mifflin

Copyright: 2006

ISBN: 978-0-618-49211-4

### Specific Objectives:

1. Words with suffixes and prefixes (-ful, -less, -ness, -ment; re-, un-, dis-)
2. Multisyllabic words
3. Words with short and long vowel sounds
4. Homophones and compound words
5. Words with -ed and -ing endings
6. Words with unusual vowel sounds (e.g., /yōō/, /ōō/, /ŭ/, /öö/, /ou/, /ô/)
7. Words with vowel + /r/ sounds
8. Words with final long e
9. Words with /k/, /ng/, and /kw/
10. Words with final /j/ and /s/

### Methods and approaches:

- Sparkle game
- Hangman
- Making new words using word tiles
- Find the missing letter
- Tic-tac-toe spelling
- Word wheels

- Make sentences use spelling words
- Letter scramble
- Spelling Bee
- Weekly spelling pre-test and tests
- Word Wall

## Reading - 4th Grade

### Textbook:

Title: Reading: Traditions

Author: Houghton Mifflin

Copyright: 2008

ISBN: 978-0-618-22450-0

\*Several novels and other texts are used for this course as well

### Specific Objectives:

1. Summarize key details and ideas to support analysis of thematic development.
2. Analyze literary and informational texts to draw conclusions, make inferences, predict outcomes, and determine cause and effect.
3. Analyze a text to determine author's point of view (first and third person), perspective, and purpose and determine how these shape meaning in a text.
4. Generate and answer questions about texts, referring explicitly to a text as a basis for the answer.
5. Analyze the relationship among characters, setting, and plot in a literary text.
6. Analyze the effects of author's craft (word choice, sentence structure, figurative language) and illustrations on the meaning and tone of a given text.
7. Determine the main idea in an informational text; provide key details from the text and explain how they support the main idea.
8. Use text features, such as headings, subheadings, print styles, visual aids, captions, and chapter headings to gain information.
9. Generate the meaning of unfamiliar and multiple meaning words using context clues, and common affixes and roots.

10. Classify the works of fiction (including fables, tall tales, folktales), nonfiction (including biographies and personal essays), and poetry (stanza, repetition, rhyme) by characteristics.

**Methods and Approaches:**

- Interactive Vocabulary Notebook
- Written conversations
- Book Club Discussions
- Reading bookmarks (students write down information that supports what they already know, reminds them of something, or surprises them as they read).
- Coded reading (e.g., ? don't understand, ! something I already know, R reminds me of...)
- Bio Poems
- Character Sketch
- Book Project
- Graphic Organizers (e.g., story map, problem/solution, main idea/details)
- Scavenger Hunt (using table of contents, index, etc.)
- Making predictions using text elements (e.g., headings, captions)
- Book Week



## Writing/Grammar - 4th Grade

### Textbook:

Title: Units of Study in Opinion, Information, and Narrative Writing English

Author: Heinemann; Houghton Mifflin

Copyright: 2013; 2006

ISBN: 978-0-325-04757-7; 978-0-618-61128-7

### Specific Objectives:

1. Use all steps of the writing process (pre-writing, drafting, editing, proofreading, revising, and publishing) to create a variety of written works.
2. Use complete sentences in a variety of types (including simple and compound) in writing.
3. Create multiple paragraph compositions that include a central idea with supporting details and use appropriate transitions between paragraphs.
4. Edit for the correct use of capitalization (titles of magazines and newspapers, brand names, proper adjectives, names of organizations).
5. Edit for correct punctuation (quotation marks to show dialogue and for titles of works such as article titles, commas between two independent clauses in a sentence, underlining/italics for book titles).
6. Use grammar conventions (subject-verb agreement; past, present, and future tenses; conjunctions (although, while, neither, nor); adverbs of time, place, manner, or degree; pronoun-antecedent agreement).
7. Create informational pieces that use language appropriate for a specific audience.
8. Create narratives that have a fully developed plot.
9. Create written descriptions that use precise and vivid details.

10. Generate and refine a topic of inquiry, conduct appropriate research selecting appropriate information, publish and present a final product that includes a list of sources.

**Methods and Approaches:**

- Writer's Workshop
- Pre-writing Activities (graphic organizers, lists, discussions, analyzing a literary model)
- Self and Peer Editing
- Writing Conferences
- Personal narrative
- Story
- Research project
- Bio-poems and Theme Poems
- Free-writing
- Persuasive essay
- Proofreading practice
- New story endings
- Student created plays/skits

# 5<sup>th</sup> Grade

## Math - 5th Grade

### Textbook:

Title: Math Connects

Author: Macmillan McGraw-Hill

Copyright: 2009

ISBN: 978-0-02-106025-2

### Specific Objectives:

1. Place value of whole numbers and decimals through thousandths
2. Use words, symbols, algebraic expressions and algebraic equations to represent patterns
3. Add and subtract fractions with like and unlike denominators
4. Find the greatest common factor and least common multiple of two whole numbers
5. Divide whole numbers fluently
6. Convert customary and metric units (length, liquid volume, mass/weight)
7. Measure length to one-eighth of an inch
8. Elapsed time in hours, minutes, and seconds within a 24-hour period
9. Use a protractor to measure angles from 0-180 degrees
10. Translate between two-dimensional representations and three-dimensional objects
11. Apply formulas to determine perimeters, areas, and volume (triangles, rectangles, parallelograms, rectangular prism).
12. Data collection methods and measurement of mean, median, and mode.

### Methods and Approaches:

- Related online games

- Math Calendar
- SAT practice book
- Super Speed Math (multiplication/division)
- Hot Potato (multiplication/division)
- Long Division Mission
- Guess What's Missing card game (Multiplication/Division/equations)
- Improper Fractions Actions
- Function Munchkin (Multiplication/Division)
- Build a shape (nets)
- Household Expenses graphs on excel
- Battle Ship Grid
- Triple M card game (mean, median, mode)
- Lego Volume
- Math centers

## Science-5th Grade

### Textbook:

Title: Science a Closer Look

Author: Macmillan/McGraw-Hill

Copyright: 2011

ISBN: 978-02-287992-1

### Specific objectives:

1. Plan and conduct a controlled scientific investigation.
2. Cells and their structures.
3. Composition of ecosystems including biotic and abiotic factors.
4. The interactions of organisms in ecosystems.
5. The effects of natural processes (e.g., weathering, erosion, volcanic eruptions, etc.) on Earth's oceans.
6. Continental and oceanic landforms.
7. Properties of matter.
8. Characteristics of mixtures and processes used to separate mixtures.
9. Motion of an object (position, direction, and speed).
10. The effects of force (including magnetism, gravity and friction) on motion

### Methods and Approaches:

- Model of a cell (clay, cake, etc.)
- Science labs
- Food chain and food web posters
- Biome power point
- Biome diorama

- Ocean floor model
- Terrarium in a bottle
- Volcanic mountain types models
- The case of the mystery compound
- Chemical compound model
- Simple machines demonstration
- Make simple machines
- Advanced organizers

## **Social Studies - 5th Grade**

### **Textbook:**

Title: Social Studies: United States History

Author: Houghton Mifflin

Copyright: 2008

ISBN: 978-0-618-83104-3

### **Specific Objectives:**

1. Westward Expansion in the late 1700s and early 1800s
2. Slavery and the Underground Railroad
3. American Civil War and Reconstruction, its causes and impact, major events and leaders
4. The rise of big business, labor unions, and immigration in the late 1800s
5. World War I
6. The Great Depression
7. World War II
8. The Cold War
9. Important holidays and national heroes in American culture
10. Voting, elections, and the structure of government

### **Methods and Approaches:**

- Career Month
- Early Inventions Children's Book
- Life in the Civil War Student Created Movie
- Create a New Use Invention Project
- Our government book



- Abolitionist Mobile
- Stock Market Project
- Mock presidential election
- Map skill activities
- Graphic organizers and mind maps
- Letters from a Historical Figure's Perspective
- Bio Poems
- Historical Figure character sketch
- Black History Month Project

## Spelling - 5th Grade

### Textbook:

Title: Spelling and Vocabulary

Author: Houghton Mifflin

ISBN: 13: 978-0-618-49212-1

Copyright: 2006

### Specific Objectives:

1. Short and long vowel sounds
2. Words with vowel + /r/ controlled sounds
3. Homophones and compound words
4. Commonly confused words
5. Irregular vowel patterns in multisyllabic words
6. Words with -ed and -ing endings
7. Words with prefixes and suffixes (in-, un-, dis-, mis-, -ful, -ly, -ness, -less, -ment)
8. Changing final y and i words
9. Final schwa +/l/ and /r/ sound
10. Double consonant patterns

### Methods and approaches:

- Sparkle game
- Hangman
- Making new words using word tiles
- Find the missing letter
- Make sentences use spelling words

- Letter scramble
- Spell the word Tic Tac Toe
- Spelling Bee
- Weekly spelling pre-test and tests
- Word Wall
- Dictation

## Reading - 5th Grade

### Textbook:

Title: Reading: Grade 5 Expeditions

Author: Houghton Mifflin

Copyright: 2005

ISBN: 978-0-618-22536-6

\*Several novels are used for this course as well (*Dear Mr. Henshaw, Search for the Shadowman, Out of the Dust, Frindle*)

### Specific Objectives:

1. Analyze literary and informational texts to draw conclusions, make inferences, and predict outcomes.
2. Differentiate between first-person, third person (limited omniscient), and third person (omniscient) points-of-view.
3. Interpret devices of figurative language (including simile, metaphor, personification, and hyperbole) and sound devices (including onomatopoeia and alliteration).
4. Analyze a literary text to distinguish between direct and indirect characterization.
5. Analyze the effects of author's craft (tone, figurative language, dialogue, and imagery) on the meaning of literary texts.
6. Create responses to literary and informational texts through a variety of methods.
7. Analyze the works of fiction (including legends and myths), nonfiction (including speeches and personal essays), and poetry (stanza, rhyme scheme, repetition) by characteristics.
8. Summarize the central idea and supporting evidence of a given informational text.

9. Analyze a given text to detect author bias (for example, unsupported opinions).
10. Use context clues and base words (with common prefixes and suffixes) to determine the meaning of unfamiliar words.
11. Use features found in informational texts to gain information (titles, subtitles, graphic images, captions, glossaries, indexes, tables of contents, appendixes, etc.).
12. Interpret the meaning of idioms and euphemisms encountered in texts.

### **Methods and Approaches:**

- Literary Element Drawings
- Vocabulary frayer models
- Written conversations
- Reading bookmarks (students write down information that supports what they already know, reminds them of something, or surprises them as they read).
- Coded reading (e.g., ? don't understand, ! something I already know, R reminds me of...)
- Bio Poems
- Character Sketch
- Cereal Box Project
- Graphic Organizers (e.g., story map, problem/solution, main idea/details)
- Simile search
- Making predictions using text elements (e.g., headings, captions)
- Book Week

## Writing/Grammar - 5th Grade

### Textbook:

Title: Units of Study in Opinion, Information, and Narrative Writing English

Author: Heinemann; Houghton Mifflin

Copyright: 2013; 2006

ISBN: 978-0-325-04758-4; 978-0-618-61127-0

### Specific Objectives:

1. Use all steps of the writing process (pre-writing, drafting, editing, proofreading, revising, and publishing) to create a variety of written works.
2. Use complete sentences in a variety of types (including simple, compound, and complex) in writing.
3. Create multiple paragraph compositions that include a central idea with supporting details and use appropriate transitions between paragraphs.
4. Edit for the correct use of capitalization (ethnic groups, national groups, established religions and languages).
5. Edit for correct punctuation (colons and hyphens).
6. Use grammar conventions (irregular comparative and superlative adjectives, irregular adverbs, interjections, past participles of commonly misused verbs, subject-verb and pronoun-antecedent agreement with collective nouns).
7. Create informational pieces that use language appropriate for a specific audience.
8. Create narratives that have a fully developed plot and consistent point of view.
9. Create written descriptions that use precise and vivid details.
10. Create written pieces to entertain others.

11. Generate and refine a topic of inquiry, conduct appropriate research selecting appropriate information, publish and present a final product that includes a list of sources.

**Methods and Approaches:**

- Writer's Workshop
- Pre-writing Activities (graphic organizers, lists, discussions, analyzing a literary model)
- Self and Peer Editing
- Writing Conferences
- Personal narrative
- Historical Research Reports
- Research-Based Argument Essay
- Journalism
- Writing poetry
- Memoir
- Proofreading practice

**6<sup>th</sup> Grade**



## Math - 6th Grade/7<sup>th</sup> Grade

### Textbook:

Title: Mathematics, Grade 6; Mathematics, Grade 7

Author: Holt McDougal

Copyright: 2012

ISBN: 978-0-547-64716-6; 978-0-547-64717-3

### Specific Objectives:

1. Understand ratio concepts and use ratio reasoning to solve problems.
2. Analyze proportional relationships and use them to solve real-world and mathematical problems.
3. Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
4. Compute fluently with multi-digit numbers and find common factors and multiples.
5. Apply and extend previous understandings of numbers to the system of rational numbers; add, subtract, multiply, and divide rational numbers.
6. Solve real-world and mathematical problems using numerical and algebraic expressions, equations, and inequalities.
7. Represent and analyze quantitative relationships between dependent and independent variables.
8. Solve real-world and mathematical problems using area, surface area, and volume.
9. Develop understanding of statistical variability.
10. Summarize and describe distributions; draw informal comparative inferences about two populations.
11. Use random sampling to draw inferences about a population.

12. Investigate chance processes and develop, use, and evaluate probability models.

**Methods and Approaches:**

- Khan Academy
- SAT practice book
- Bi-Weekly Quizzes
- Math centers
- Data Analysis Project
- Daily Warm-ups

## Science-6th Grade

### Textbook:

Title: Integrated iScience, Grade 6

Author: Glencoe

Copyright: 2012

ISBN: 978-0-078-88005-6

### Specific objectives:

1. Use scientific and engineering practices (e.g., formulate scientific questions, generate hypothesis, plan and conduct controlled experiments, analyze and interpret informational texts, collect and analyze data, utilize data to support or reject scientific claims) to develop understandings of science content.
2. Communicate written and orally using conventions of scientific writing and presentation.
3. Properties and relative size of the Earth's atmosphere.
4. The cycling of water through Earth's systems (including transpiration, evaporation, condensation and crystallization, precipitation, downhill flow of water on land).
5. Factors influencing weather patterns and climate and the tools that are used to measure weather patterns (including weather maps, satellites, and radar).
6. The properties of energy (including mechanical, electrical, chemical, radiant and thermal), the transfer and conservation of energy, and the relationship between energy and forces.
7. Classification of organisms based on the current hierarchical taxonomic structure (including the kingdoms of protists, plants, fungi, and animals).
8. Animal structures, processes, behaviors, and adaptations that allow them to survive and reproduce.

9. Protist, fungus, and plant structures, processes, behaviors, and adaptations that allow them to survive and reproduce.

**Methods and Approaches:**

- Science labs
- School Science Fair
- SCISA State Science Fair (for qualified students)
- Advanced organizers
- Field Trips to Roper Mountain Science Center
- Camp Leopold

## Social Studies - 6th Grade

### Textbook:

Title: Journey Across Time: The Early Ages

Author: McGraw Hill

Copyright: 2007

ISBN: 978-0-078-75047-2

### Specific Objectives:

1. The development of cradles of civilization as people moved from nomadic existence to settled life.
2. The effects of the invention of agriculture and the domestication of animals on the development of civilizations.
3. Ancient river valley civilizations (Mesopotamia, Egypt, India, and China) and the evolution of civilization.
4. Life in Ancient Greece and Rome and the contributions of these civilizations to the modern world.
5. The economy, society, and political systems of the Chinese, Japanese, Indian, and Islamic civilizations.
6. The economy, society, and political systems of the African (Ghana, Mali, and Songhai) and American (Maya, Aztec, and Inca) civilizations.
7. The Middle Ages in Europe and the emergence of nation-states.
8. The features and impact of the Renaissance, the Protestant Reformation, and the Age of Exploration on Europe and the rest of the world.

### Methods and Approaches:

- Map skill activities
- Advanced Organizers
- Brain Pop

- Cave Art Paintings
- Walk Like an Egyptian Rap
- Flocabulary
- Crash Course History Videos
- Mankind - The Story of Us
- Feudalism Simulation
- Islam Skit

## Reading - 6th Grade

### Textbook:

Title: Collections

Author: Houghton Mifflin

Copyright: 2015

ISBN: 978-0-544-04666-5

\*Several novels and expository books are used for this course as well (*White Fang, An Inconvenient Truth, Teen Edition, The Boy Who Harnessed the Wind, and Esperanza Rising*)

### Specific Objectives:

1. Analyze literary and informational texts to draw conclusions, make inferences, and predict outcomes.
2. Differentiate between first-person, third person (limited omniscient), and third person (omniscient) points-of-view.
3. Interpret devices of figurative language (including simile, metaphor, personification, hyperbole, idiom, and euphemism) and sound devices (including onomatopoeia and alliteration).
4. Analyze an author's development of characters, setting, and conflict and compare and contrast the main ideas within and across literary texts.
5. Interpret the effect of the author's craft (tone, flashback, foreshadowing) on the meaning of literary texts.
6. Create responses to literary and informational texts through a variety of methods.
7. Analyze the works of fiction (including legends and myths), nonfiction (including speeches and personal essays)
8. Understand the characteristics of poetry (stanza, rhyme, scheme, repetition, and refrain) and drama (stage directions and monologues).

9. Summarize the central idea and supporting evidence of a given informational text.
10. Summarize author bias based on the omission of relevant facts and unsupported opinions.
11. Use context clues and Greek and Latin roots/affixes to determine the meaning of words.
12. Use and interpret features found in informational texts to gain information (titles, subtitles, graphic images, captions, glossaries, indexes, tables of contents, appendixes, etc.).
13. Identify propaganda techniques (testimonials and bandwagon) in informational texts.

**Methods and Approaches:**

- Plot Maps
- Vocabulary frayer models
- Written conversations
- Novel Portfolios
- Advanced Organizers
- Vocabulary and Greek and Latin Root Book
- Book Week



## Writing/Grammar - 6th Grade

### Textbook:

Title: Units of Study in Opinion, Information, and Narrative Writing; English

Author: Heinemann; Houghton Mifflin

Copyright: 2015; 2005

ISBN: 978-0-325-04714-0; 978-0-618-61122-5

### Specific Objectives:

1. Use all steps of the writing process (pre-writing, drafting, editing, proofreading, revising, and publishing) to create a variety of written works.
2. Use complete sentences in a variety of types (including simple, compound, and complex) in writing.
3. Create multiple paragraph compositions that include a central idea with supporting details and use appropriate transitions between paragraphs.
4. Edit for correct punctuation (semicolon, commas to enclose appositives, commas to separate introductory clauses and phrases).
5. Use grammar conventions (main and subordinate clauses, indefinite pronouns, pronoun-antecedent agreement, consistent verb tenses).
6. Create informational pieces that use language appropriate for a specific audience.
7. Create narratives that have a fully developed plot and consistent point of view.
8. Create written descriptions that use precise language and vivid details.
9. Create persuasive writings that develop a central idea with supporting evidence and use language appropriate for a specific audience.
10. Generate and refine a topic of inquiry, conduct appropriate research selecting appropriate information, publish and present a final product that includes a list of sources.

11. Use direct quotations, paraphrasing, and summaries to incorporate into information from multiple sources into a variety of works (written, oral, electronic, etc.).
12. Use a standardized system of documentation to properly credit the work of others (e.g., works cited, in-text citations).

**Methods and Approaches:**

- Writer's Workshop
- Mentor Texts
- Pre-writing Activities (graphic organizers, lists, discussions, analyzing a literary model)
- Self and Peer Editing
- Writing Conferences
- Personal narrative
- Fiction Writing
- Literary Essay
- Persuasive Essay
- Writing informational books on topics of personal expertise
- Research-based Information Writing
- Poetry
- Proofreading practice
- Multimedia projects