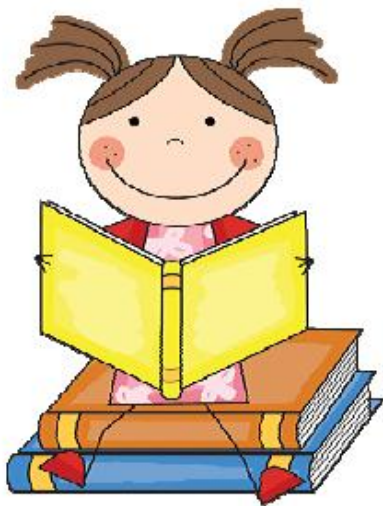




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## Curriculum Overview

# 3<sup>rd</sup> Grade



**Educating for a lifetime  
of success**

Updated 2012

## Math

- Represent and solve problems involving addition, subtraction, multiplication and division
- Understand the relationships between addition, subtraction, multiplication and division
- Multiply and divide within 100 and identify and explain their patterns
- Use place value to round to the nearest whole numbers
- Fluently add and subtract within 1000
- Draw a scaled picture or bar graph
- Generate measurement data by using a ruler marked with halves or fourths
- Differentiate geometric measurement of area ,perimeter, and circumference
- Understand geometric shapes and their shared attributes ,as well as divide them into equal parts
- Count money and make change
- Identify the concept of symmetry
- Apply properties of operations (communicative, associative, distributive)
- Solve two step word problems
- Multiply 1 digit whole numbers by multiples of 10
- Recognize equivalent fractions
- Compare fractions with the same numerator or denominator
- Tell time to the nearest minute
- Solve problems involving addition and subtraction of time intervals
- Understand a fraction as a number on the number line
- Measure and estimate the volume and mass of objects using grams, kilograms, and liters

## Science

- Utilize the scientific method
- Identify and differentiate between the three states of matter and know their properties
- Explain physical and chemical changes
- Understand the needs and life cycles of plants and animals
- Understand food chains, ecosystems, competition and adaptations
- Differentiate plant and animal cells
- Understand the water cycle - evaporation, condensation, and precipitation
- Know the phases of the moon, the sun and planets and how they relate to each other
- Study natural resources: rocks, soil, fossils, and landforms
- Understand the effect of weathering and erosion on landforms
- Demonstrate an understanding of motion, speed, work, and simple machines
- Know how heat, light, and sound travel
- Describe relationships between scientific ideas or concepts
- Use text features and search tools to locate information

## Language Arts/Writing

Convey complex ideas and information clearly and accurately through the effective selection, organization and analysis of content

- Write narratives to develop real or imagined experiences or events using well-chosen details, and well-structured event sequences
- Write opinion pieces on topics or texts, supporting a point of view with reasons
- Write informative/explanatory texts to examine a topic and convey ideas and information
- Conduct short research projects that build knowledge about a topic
- Gather information from print and digital sources
- Take notes on sources and sort evidence into categories
- Form and use regular, irregular, and abstract nouns
- Form and use regular and irregular verbs
- Ensure subject-verb agreement
- Determine literal and non-literal meaning of words and phrases
- Determine meaning of a word from a known affix attached to it or from the known base word
- Explain the function and use of nouns, pronouns, verbs, adjective, adverbs, and conjunctions
- Produce simple compound and complex sentences
- Use correct capitalization, punctuation, and spelling
- Understand and use the 6+1 Traits: : ideas, voice, fluency, word choice, organization, conventions, and presentation
- Master the writing of a proper paragraph, using the 3 proper components: Topic Sentence, Supporting Detail Sentences, and a Concluding Sentence



## **Reading**

- Read to understand, make inferences, and support conclusions
  - Determine themes, analyze, and summarize with supporting details
  - Interpret words and phrases and analyze how they set the tone of the text
  - Analyze the structure of text in sentences, paragraphs, chapters, and scenes as they relate to each other and the whole
  - Access the point of view or purpose of the text to lead to a better understanding of other perspectives and cultures
  - Explain how the illustrations contribute to the words
  - Use multiple text features, dictionaries, time lines, and Venn diagrams
  - Determine the author's point of view and their own point of view
  - Use phonics and word analysis skills
  - Read accurately and fluently
  - Use context to understand the meaning of a word or phrase depending on how it is used in the text
  - Describe, compare and contrast themes, settings, characters, and plot
  - Compare and contrast 2 or more texts on the same topic by discussing the most important points and key detail
- Ask and answer questions to demonstrate understanding of text
- Determine message, lesson, or moral of a text

## **Social Studies**

- Understand the concept of communities throughout different regions of the US
- Recognize and respect the existence of different cultures
- Understand selected economic choices that are made by individuals and families
- Recognize the importance of natural resources and machines in the production of goods
- Understand that citizens have rights and responsibilities
- Learn the basic concepts of local government

## Art

- Create a color wheel and demonstrate mixing of colors
- Demonstrate use of shapes, line and patterns in their artwork
- Identify art from the culture in which it was created
- Identify various artists and artwork
- Create symmetrical and asymmetrical artwork
- Demonstrate how to create balance in their artwork
- Identify geometric forms and use them to create 2 and 3-dimensional art

## Music

- Distinguish the movement from one pitch to another as a Step, Skip, Leap, or Octave
- Harmonize by singing Rounds, Ostinatos, and Partner Songs
- Recognize various instruments of the orchestra
- Navigate written music, including various forms of repeats
- Identify expression in music through crescendos and decrescendos
- Play chords on the autoharp and simple melodies on melodic percussion instruments
- Recognize the organization of certain music as being AB, ABA, or Rondo forms
- Perform music in concert through singing and by dramatizing songs with actions

## Physical Education

- Perform movement patterns using various body parts and equipment
- Understand key concepts to improve fitness skills
- Demonstrate knowledge of strategies, rules, and good sportsmanship

## Informational Technology

- Navigate Windows operating system and school network
- Independently retrieve, print, and save files
- Manage and organize personal files using coherent naming convention
- Navigate *Microsoft 2010 Word* interface
- Understand word processing skills for proper spacing, bold italics, underline, indenting, and capitalization
- Utilize Internet search engines with keywords to refine search results
- Search for images relevant to assignments using web-based image searches and Microsoft clip art library
- Access online resources for research



## Spanish

- Review questions (hello, goodbye, how are you) and learn how to describe themselves
- Learn adjective agreement (o vs. a) and masculine vs. feminine
- Review Spanish alphabet and basic vocabulary of the classroom
- Review numbers 0-40 and learn to 50
- Review animals, body parts, family and Spanish calendar
- Focus on days, months, and add weather
- Learn about 2-3 Spanish holidays that are celebrated in other countries
- Review Spanish-speaking countries learned, introduce new country

## Guidance

Riverview School has a K-8 Comprehensive School Counseling Program that emphasizes student's Academic, Personal/Social, and Career Development. The program is delivered to students through developmental classroom guidance, small group counseling, and individual counseling.

