



Riverview School
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Curriculum Overview

2ND Grade



**Educating for a lifetime
of success**

Updated 2012

Mathematics

- Represent numbers in a variety of ways
- Use patterns in counting sequences 1s, 5s, 10s, and 100s
- Understand place value up to 1,000
- Read and write 3 digit numbers
- Understand and explain odd/even numbers
- Solve and memorize basic addition and subtraction facts through 18
- Add and subtract two digit numbers within 100 and explain connections between addition and subtraction
- Solve addition and subtraction word problems
- Represent the total number of objects in an array as the sum of equal addends
- Measure and estimate lengths in standard and metric units
- Choose and use appropriate measurement tools and units of measure
- Tell time to the nearest 5 minute intervals using digital and analog clocks
- Count and compare coins and dollars and solve word problems using a variety of money
- Interpret data using graphs and charts
- Apply appropriate strategies for organizing data
- Categorize and draw shapes by their attributes
- Exactly cover the interior space of rectangles using same size square manipulatives
- Strategically choose and apply strategies for counting objects arranged in rows or columns
- Breakdown circles and rectangles into halves, thirds and fourths
- Communicate the size of pieces using the appropriate fraction terminology
- Represent whole numbers as lengths from 0 on a number line
- Draw various graphs to represent a data set
- Introduce borrowing/renaming to subtract across a "0"

Social Studies

- Read and understands informational text
- Identify direction using north, south, east and west
- Locate continents and oceans on a map or globe
- Know the city, state, and country we live in
- Understand what a community is and how they can differ/change
- Communicate the differences between goods and services and how countries trade and move goods
- Have an understanding of local, state and federal government as well as the voting process
- Identify historical people and landmarks important to our country (past, present and future)
- Know who the first Americans were, how the colonies began and how we became a country
- Use a timeline to represent sequenced events in history
- Understand the backgrounds and reasons for cultural celebrations around the world (holidays)

Language Arts/Writing

- Produce clear and coherent writing in which the development, organization and style are appropriate to task, purpose and audience (including complete answers to questions in sentence format as well as a complete paragraph or short story)
- Use and understand the 6+1 traits in writing: ideas, voice, fluency, word choice, organization, conventions, and presentation
- Develop and strengthen writing by planning, revising and editing
- Use technology to produce and publish writing
- Use the conventions of standard English capitalization, punctuation and spelling when writing and speaking
- Produce, expand and rearrange simple and compound sentences
- Determine or clarify the meaning of unknown and multiple meaning words by using context clues and understand figurative language
- Build and use contractions
- Use and understand the meanings of root words, prefixes and suffixes
- Use and understand nouns (plural, irregular plural, singular, possessive, common, proper, and pronouns)
- Use and understand verbs (regular, irregular, past, present and future); adjectives and adverbs
- Know the difference and understand synonyms, antonyms, and homophones
- Use glossaries and dictionaries to determine the meanings and spelling of words
- Write opinion pieces with supporting reasons
- Write narratives to recount an event



Reading

- Read fluently and with expression
- Read a wide variety of literature with accuracy
- Use various decoding strategies when reading (re-read, context, sounding out)
- Monitor comprehension by asking questions (who, what, where) and answer questions about key details
- Make predictions and connections
- Know, find, and use interesting words while reading
- Summarize stories
- Determine the lesson or moral of a story
- Describe main characters and major events in a story
- Discuss basic story elements (plot, setting, beginning, middle and ending of a story)
- Describe the author's purpose
- Explain point of view and author's voice
- Support thinking with examples from text
- Read a wide variety of fiction and non-fiction from different genres
- Identify main idea and supporting details
- Use text features (captions, pictures, bold, headings) to clarify and enhance meaning
- Use a dictionary
- Compare and contrast two or more texts

Science

- Identify the life cycles, habitats and needs of living things
- Identify different animal groups(mammals, reptiles, insects)
- Identify adaptations
- Understand a food web
- Explain the water cycle
- Understand different types of weather
- Understand how earthquakes, landslides, and volcanoes can change Earth
- Explore dinosaurs and fossils and what we can learn from them
- Understand extinction and endangered animals
- Discuss the sun and how it affects Earth's time, light and seasons
- Name the Moon's phases
- Explore stars and constellations
- Discuss the unique characteristics of each of the planets and their orbits
- Identify and distinguish differences between solids, liquid, and gasses
- Discuss physical and chemical change
- Understand how heat energy can be used for fuel
- Define friction, force and gravity and describe how they make matter move and change direction
- Investigate simple machines
- Explore magnets (poles. matter that is attracted to them)

Art

- Recognize and use warm and cool colors
- Identify and create artwork from various cultures
- Demonstrate use of horizontal, vertical and diagonal lines
- Identify positive and negative space
- Introduce foreground, middle ground and background
- Create two and three dimensional artwork

Music

- Distinguish between the singing voice of a male, a female, and child
- Organize music by labeling musical phrases and putting them in the proper order
- Distinguish between meters of two (duple) and three (triple)
- Play melodic percussion instruments that use up to five different pitches
- Recognize music notation involving Whole, Half, Quarter, and Eighth Notes
- Recognize musical notation involving Whole, Half, and Quarter Rests
- Identify the names of the lines and spaces in the treble clef
- Perform music in concert through singing and by dramatizing songs with actions

Physical Education

- Participate in various physical activities to improve motor skills
- Demonstrate Tumbling, Balancing, and Weight Transfer Skills
- Demonstrate Individual and partner Jump Rope Skills
- Demonstrate Dribbling, throwing, catching, and kicking skills

Informational Technology

- Demonstrate optimal posture and hand position
- Use developmentally appropriate keyboard techniques and skills
- Understand computer terms (internet, file, maximize, cursor)
- Demonstrate the correct procedure for opening, closing, saving and retrieving files
- Demonstrate proper care of computer hardware
- Utilize a wide variety of technology resources and software for formal typing instruction, word processing, instructional interventions and graphic design

Spanish

- Use greetings such as hello and goodbye proficiently
- Learn how to ask "How are you?" and respond in different ways according to feeling
- Review "What is your name" and be able to ask each other and respond
- Recite Spanish alphabet as a class
- Recognize Spanish vocabulary and use whenever possible
- Review the numbers 0-30 and learn through 40
- Color Spanish colors and recognize well
- Create a multi-colored Mexican marigold associated with Spanish culture
- Learn Spanish calendar- days of the week, months of the year
Learn more vocabulary
- Talk about 1-2 Spanish holidays celebrated
- Learn family vocabulary and identify family members in their own family portrait
- Review animals and body parts in Spanish
- Review Mexico and Spain, and learn about one other Spanish speaking 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.

