



## Shamong Township School District

### Indian Mills Elementary School

### Second Grade Curriculum Outline

The Shamong Township School District Curriculum is aligned to the appropriate NJ CCCS and the Common Core Standards.

Language Arts	Math
<p>Text: <i>Wilson-Fundations</i></p> <p>Wilson Foundations addresses skills such as print knowledge, alphabet awareness, phonological and phonemic awareness, as well as decoding, encoding, proper letter formation and vocabulary. The program is multisensory and focuses on hand-on learning with active participation by students, including the use of manipulatives, student notebooks, word, sound and syllable cards and owl puppets.</p> <p>Fundations targets several different fundamental areas of reading:</p> <ul style="list-style-type: none"><li>• <i>Phonemic awareness:</i></li><li>• <i>Drilling</i></li><li>• <i>Fluency</i></li><li>• <i>Vocabulary</i></li><li>• <i>Spelling</i></li><li>• <i>Comprehension strategies</i></li><li>• <i>Emphasizing lower case letters</i></li></ul> <p><b>Writing</b> Overview: The <b>Write Steps</b> program is used to help children plan and execute quality writing. A variety of genres are taught including narrative writing, realistic fiction, paragraph planning, informative/explanatory pieces, opinion writing, and research papers.</p> <p><b>Reading</b> Overview: <i>Reader's Workshop</i> is the delivery model used to teach all aspects of reading. It</p>	<p>Text: <i>Math in Focus</i>, Marshall Cavendish International (Singapore), distributed in the US by HMH Publishing Co. (2009)</p> <p>Topics:</p> <ul style="list-style-type: none"><li>• Numbers and Operations: concrete and pictorial number comparisons to 1000</li><li>• Place Value: use of base-ten models and charts; number formation</li><li>• Fractions: understanding fraction vs. whole; compare and order halves, thirds, and fourths</li><li>• Money: identify and relate coin and dollar bill values; add and subtract using mixed money amounts</li><li>• Whole Number Computation: addition and subtraction with/without regrouping; mastery of basic facts; multiplication and division fact problems; real-world problem solving</li><li>• Mental Math: estimation and computation</li><li>• Algebra: rules for number patterns; inverse properties; associative, commutative and distributive properties</li><li>• Geometry: dimensional shapes, positional words, congruence and symmetry</li><li>• Measurement: linear measurement; compare/measure mass; measure volume in liters; tell time to 5 minutes</li><li>• Data Analysis: collect and organize data in multiple ways, including scales, and bar and picture graphs</li><li>• Problem Solving: solve real-world</li><li>• Problems using math functions</li></ul>

provides differentiated instruction to students as they work on areas of need in reading. It focuses on the teaching of reading skills and strategies that students apply to their own independent reading. Some of these strategies include making connections, predicting, questioning, visualizing, inferring, and synthesizing. Teachers investigate their students' needs, provides mini-lessons to address those needs, model good reading strategies, lead guided reading groups, assist students with their written reading responses, and confer with students as they apply what they have learned.

## Science

Text: *Houghton Mifflin*

Topics:

Rocks

- Look at rocks, dirt, soil, and fossils.
- Investigate how weathering and erosion change Earth's land and affect living things.

Animals, Plants, Environment

- Explore how and why environments change.
- Living and nonliving things.
- Ecosystems.
- Animals and plants depend on their environment for basic needs.
- Life cycles

Energy

- Sound - Learn that sound is a form of energy that is made by vibrating. Investigate how sound travels and how sound can be changed and controlled.
- Explore how the brightness of light, volume of sound or amount of heat is affected when the number of batteries or battery size or strength is changed.
- Forces of motion – simple machines, friction.
- Potential and kinetic

Matter

- Explore how matter is classified according to its properties, how matter changes, and how matter looks when magnified.

## Spanish

Topics:

- Review previous skills/topics

## Social Studies

Text: *Harcourt*

Topics:

- Governing the People – A government makes laws to help people be safe and get along.
- The World Around Us – Maps help us learn about the different kinds of land, water, and places around us.
- Using Our Resources – People use the land and its resources to help them live.
- People Long Ago – History is the story of how people and places change over time.
- A World of Many People – Our country is made up of many different people and cultures.
- People in the Marketplace – Producers and consumers depend on each other for goods and services.

## Physical Education/Health

Topics:

- Warm-up cubes, CV fitness
- Large Group Games (ex: Guard the Pin, Kick Ball, Flag Tag, Red Rover, Crab Soccer)
- Soccer skills
- Halloween stations
- Chicken activities
- Gotcha's – fine motor skills
- Lions' Quest – health
- Jump roping – long/short ropes, Hop Scotch, bungee jumpers, jump bands, Skip-its
- Large group games – indoor soccer, hockey, basketball lead-ups
- Rhythms, Dance –(ex: lummi sticks, ribbons, Disco Taps, circle/line dances)
- Parachute activities
- Plate spinning
- Juggling
- Ball skills and lead up games
- Volleyball lead-ups
- Hoop activities
- Frisbee
- T-ball/softball

- Spanish Names
- Basic Pronunciation - letters with sounds that differ from English
- Accent Marks (limited explanation)
- The Day of the Dead (Mexican holiday)
- Reading Stories
- Months
- Feelings
- Verbs
- Parts of the Body
- Question Words
- Foods
- Beverages

## Art

### Topics:

- Understand and apply a basic working art vocabulary
- Understand and apply “The Elements of Art” and “The Principles of Design”
- Respond visually and aesthetically to artwork, nature, events, and objects in the environment
- Develop fine and gross motor skills that demonstrate the ability to use the elements of art
- Explore and apply graphic arts and artistic crafts
- Encourage creative thinking
- Identify styles of art while implementing art history
- Identify and critique specific artists throughout art history
- Recognize artistic mood
- Exhibit proper etiquette and behavior in the art room

## Computers/Technology

### Topics: Applications

- Type to Learn Jr. New Keys for Kids – extension of application used in first grade
- Kid Pix – graphics and basic word processing
- Max Write – word processing that works in conjunction with Microsoft Word
- Kidspiration – graphic organization
- Image Blender – photo editing software
- Internet Explorer – web browser
- Google and Yahoo Kids – search engine
- Google Earth – global satellite imaging

## Library

### Topics:

- Library Skills – Locating Books, Parts of a Book
- Alexandria – materials located by use of this computer automation program
- Storytelling
- Author Studies
- Award Books – Caldecott, Newberry and other medals
- Exposure to Various Writing Genres - Fiction (science, historical, realistic), Fantasy, Mystery, Nonfiction (informational, bibliography, autobiography), Poetry, Fairy Tales
- Holidays and Habitats Around the World

## Music

### Topics: Skills and Concepts

- Sing: “Kid Sound”
- Play: un-pitched percussion, large percussion, Orff instruments
- Move and Dance: body percussion, circle dance, line dance, planned and improvised movement
- Listen: listening examples include singing, instrumental pieces
- Create: vocal sounds, body movement, rhythmic patterns, instrumental sounds
- Read and Write Music: rhythmic notation
- Rhythm: steady beat, rhythm, long and short sounds, quarter note, quarter rest, two eighth notes, half note, half rest, meter in 2, meter in 3
- Melody: high and low sounds, upward and downward, pitch syllables (sol, mi, la, re, do)
- Harmony: simple bordun on bar instruments, level bordun, two part canon, simple ostinato
- Tone Color: vocal (expressive speech, sing, whisper, call), instrumental (un-pitched percussion, Orff instruments, large percussion)
- Dynamics: loud, soft, getting louder, getting softer
- Tempo: fast, slow, getting faster, getting slower

Skills and Concepts:

- Reinforce concepts within District Acceptable Use Policy
- Input and access text and data, using appropriate keyboarding techniques or other input devices
- Produce and interpret a simple graph or chart by entering and editing data on a prepared spreadsheet template
- Create and present a multimedia presentation using appropriate software
- Create and maintain files and folders
- Use a graphic organizer
- Understand concept of Copyrighted materials
- Identify and use web browsers, search engines, and directions to obtain information to solve real world problems
- Solve problems individually and/or collaboratively using computer applications
- Practice online safety

Grade 2