



**Shamong Township School District  
Indian Mills Memorial School  
Fifth Grade Curriculum Outline  
2015-16 School Year**

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

**LANGUAGE ARTS**

Text: **McGraw Hill Reading- Grammar Practice**  
McGraw Hill (2001)

Focus: Teachers choose from a variety of sources to help students develop skills necessary to become proficient writers who are able to express themselves effectively for various purposes and audiences.

**Writing Units:**

- Basic elements of writing-
  - Paragraph structure
  - Essays for various purposes
- Narrative writing
- Expository writing
- Persuasive writing
- Personal journal writing

**Grammar Units:**

- Sentences
- Nouns and verbs
- Adjectives, adverbs, prepositions
- Punctuation

**Literature/ Vocabulary**

Text: **Reading Anthology**,  
McGraw Hill (2001)

Focus: Through the use of an anthology, class novels, and independent novels, students are exposed to a variety of genre, content, elements of literature, author's style of writing, and strategies to develop comprehension skills.

**LIBRARY**

Focus: **Information Curriculum** by Hilda Weisberg and Ruth Toor

- Tied to the subject curriculum
- Stresses choice, use, and evaluation of material
- Helps students learn general strategies rather than use of specific research tools
- Encourages use of multiple resources in a variety of formats
- Fosters voluntary reading as a means of personal growth
- Reference materials
- Indexes
- Bibliographies and basic understanding of plagiarism
- Use of Computer Catalog to find print resources for research and recreational reading

## MATH

Text: *Math in Focus*, Marshall Cavendish International (Singapore), distributed in the US by HMH Publishing Co. (2009)

Topics:

- Numbers and Operations: number comparisons to millions
- Place Value: numbers to 10,000,000 in standard, expanded, and word form
- Fractions and Decimals: convert fractions to decimals; relate fractions and division expressions; model decimals using thousandths; convert decimals to fractions and fractions to percents
- Number Computation: multiply multi-digit numbers; find quotients with multi-digit dividends; add and subtract like and unlike fractions addition; multiply proper fractions, mixed numbers, and whole numbers; multiplication and division of decimals
- Algebra: find rules to complete number patterns; numbers and symbols in formulas for surface area and volume; use letters as variables; simplify algebraic expressions; write and solve/graph linear equations.
- Geometry and Measurement: angles on straight line or point; properties of right, isosceles, and equilateral triangles; properties of parallelogram, rhombus, and trapezoid; find area of triangles; three-dimensional shapes
- Data Analysis: represent, interpret and analyze data in double bar graphs
- Probability: Determine experimental probability of an outcome
- Problem Solving: Build skills in multiplication, division, fraction concepts, decimals, ratio, percents, data analysis, and measurement through real-world problems

❖ A select group of students follow sixth grade curriculum: Text: *Math Thematics-Book 1* McDougal Littell

## SCIENCE

Text: *A Closer Look*, Macmillan/McGraw Hill Publishers (2008); Web based on-line activities available to students

Text: *Science Explorer- Astronomy*, Prentice Hall (2007); Web based on-line text available to students

### Physical Science

Light:

- Predict the path of reflected or refracted light.
- Explore how prisms demonstrate that visible light from the Sun is made of different colors.

### Life Science

Energy:

- Describe how plants are used as a source of energy (food) for other organisms.
- Trace the flow of energy (food) through a community using food chains and food webs.

Interdependence:

- Describe how one population of organisms may affect other plants or animals in an ecosystem.
- Identify abiotic and biotic factors.

### Earth Systems Science

Climate and Weather:

- Explain the interrelationships between daily temperature, air pressure, and relative humidity data on climate and weather.

Biogeochemical Cycles:

- Illustrate how winds affect global weather conditions.
- Create a model of ecosystems, comparing and contrasting living and nonliving components.
- Describe how one population of organisms may affect other plants or animals in an ecosystem

## ART

Students examine art through a variety of medium, techniques and historical references.

Focus:

- Positive and negative space
- Elements of line design and patterns
- Ceramics
- Painting-water color, tempera, acrylic
- Self-portraits

Grade 5 (continued)

## SOCIAL STUDIES

Text : *The Ancient World*

Prentice Hall (2005)

Web based on-line text with audio component available to students

Focus:

- World geography
  - The World in Spatial Terms
  - Places and Regions
  - Physical Systems
  - Human Systems
  - Environment and Society
  - The Uses of Geography
- The Beginnings of Human Society
- Rise and development of Mesopotamia
- Other people of the Fertile Crescent
  - Ancient Israel
  - Ancient Phoenicia
- River based civilizations:
  - Egypt
  - Indus River Valley
  - India
  - China
- Active Citizenship in the 21st Century

❖ Supplemental lessons include current events and technology infused lessons located on teacher's Moodle page

## WORLD LANGUAGE (Spanish)

Text: ¡Hola! ¡Viva el español!

Part of the Related Arts Rotation

Focus: An extension of vocabulary and an introduction to the basic elements of grammar with an emphasis on listening and speaking. Traditions of the Spanish-speaking countries of the world are introduced.

## MUSIC

Students participate in a comprehensive and sequential program of music instruction which includes content, skills, and activities.

Text: *Share the Music*

Focus:

- Various songs
- Use of pitched/ non-pitched percussion instruments
- Rhythm, beat, melodic direction
- Notes on the staff, music notation
- Syncopation, countermelody, partner songs, voice classifications
- Major/minor scales, meter

## HEALTH /PHYSICAL EDUCATION

A combined focus addresses the needs of the adolescent in both the physical and emotional aspects in the following areas:

- Sexual harrasment/ appropriate social behavior/bullying
- Nutrition
- Medicines/puberty and personal health
- Adventure activities
- Team sports
- Dance dance revolution
- Fitness circuits
- Pedometer introduction

## COMPUTERS/TECHNOLOGY

Focus:

- Basic rules of internet safety
- Basics of word processing using MS Word
- Creating organizational formats and links to sites using Inspiration
- Creating brochures and posters using MS Publisher
- Brainstorming/word scramble to identify key ideas through Wordle
- Pivot Stick Figure animator for creating simple animations

Grade5

