

**Shamong Township School
District
Indian Mills Memorial School
Sixth Grade Curriculum**

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

LANGUAGE ARTS

Writing

Text: *Elements of Language*
Holt (Irvin, Odell, Vacca)

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:

- Persuasive Essays
- Narratives
- Research Project

Literature/ Vocabulary

Text: *Glenco Literature The Reader's Choice*
Glencoe / McGraw Hill

Focus: Teachers choose from a variety of sources. 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.

Novels

Amelia Earhart-Brenda Haugen

Fever 1793-Laurie Halse Andersen

The Giver-Lois Lowry

Holes-Louis Sachar

Number the Stars-Lois Lowry

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
- Full understanding of plagiarism and how to avoid it
- Website evaluation and selection based on accuracy, currency, and appropriateness for needs
- TypingWeb (typingweb.com) - a basic typing tutor program that teaches home row and proper touch typing. The program tracks progress, so that improvement can be monitored and addressed.

MATHEMATICS

Text: *Math in Focus Course 1 –Singapore Math-Marshall Cavendish 2013*

- Positive Numbers and the Number Line
- Negative Numbers and the Number Line
- Multiplying and Dividing Fractions and Decimals
- Ratio
- Rates
- Percent
- Algebraic Expressions
- Equations and Inequalities
- The Coordinate Plane
- Area of Polygons
- Circumference and Area of a Circle
- Surface Area and Volume of Solids
- Introduction to Statistics
- Measures of Central Tendency

COMPUTERS/TECHNOLOGY

Focus:

- Basic rules of internet safety and good manners on the internet
- Learning to do simple mathematics, make charts and explain key information through MS Excel
- Edit photos with free online programs
- Create a script using PowerPoint as teleprompter
- Edit music and speech through Audacity
- Develop a movie with digital images and sounds using Movie Maker.
- Pivot Stick Figure animator for creating simple animations

SOCIAL STUDIES

Text: *The Ancient World
Medieval Times*

Prentice Hall (2005)

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

Focus:

- Review the Basic Elements of a Civilization
 - Contributions of ancient Greece
 - Rise, fall and contributions of ancient Rome
 - Era: Expanding Exchanges and Encounters (500 CE-1450 CE)
 - Byzantine and Muslim Civilizations
 - Civilizations of Asia
 - Europe in the Middle Ages
 - A New Age in Europe
 - The Renaissance
 - The Protestant Reformation
- ❖ Active Citizenship in the 21st Century
- ❖ Supplemental lessons include current events and technology infused lessons located on teacher's Moodle page

SCIENCE

Text: *Science Explorer- Inside Earth; Bacteria to Plants; Changing Earth; Environmental Science*
Prentice Hall (2007)

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

Physical Science

Light:

- Describe the properties of light.
- Relate the transfer of heat from oceans and land masses to the creation of hurricanes.
- Explore the properties of electricity and magnetism.

Energy:

- Use simple circuits involving batteries and motors to track the current flow.

Life Science

Organization and Development:

- Explore how systems of the human body are interrelated and regulate the body's internal environment.
- Model and explain how organelles work together to meet the cell's needs.

Matter and Energy Transformations:

- Describe the sources of the reactants of photosynthesis.

Interdependence:

- Explain the impact of meeting human needs and wants on both local and global environments.
- Explore the impact that altering abiotic factors, such as quantities of light and water, range of temperature, and soil composition have on an ecosystem.
- Describe how one population of organisms may affect other plants or animals in an ecosystem
- Model the effect of positive and negative changes in population size on a symbiotic pairing.

Grade 6 (continued)

SCIENCE (continued)

Heredity and Reproduction:

- Predict long-term effect of interference with normal patterns of reproduction.
- Explain how knowledge of inherited variations is applied to farming and breeding animals.
- Distinguish between inherited and acquired traits/characteristics.

Evolution and Diversity:

- Trace how environmental conditions affect the survival of both individual organisms

HEALTH/ PHYSICAL EDUCATION

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

- Sexual harrassment/ bullying
- Nutrition
- Disease/puberty and personal health
- Safety and first aid
- Adventure activities
- Team sports
- Dance dance revolution
- Fitness circuits
- Pedometer introduction

and entire species.

Earth Systems Science

Objects in the Universe:

- Construct and evaluate models demonstrating the rotation of Earth on its axis and its orbit around the Sun.
- Analyze the importance of the Sun to our solar system.

History of Earth:

- Interpret rock layer sequence to establish timeline of age, geologic events and changing life forms.

Properties of Earth Materials:

- Distinguish physical properties of rocks and explain how changes occur.
- Explain how the motion of lithospheric plates cause the Ring of Fire.
- Apply knowledge of Earth's magnetic fields to orienteering challenge.

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.

Grade 6 (continued)

ART

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

Focus:

- Self portraits
- Positive /negative space
- Elements of line design and patterns
- Perspective 1 point
- Figure drawing
- Ceramics
- Painting/ water color, tempera, acrylic
- Still life drawing
- Contour line drawing

MUSIC

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

Text: *Share the Music*

Focus:

- Musical directions, form, melodic contour, pentatonic, countermelody
- Chords (root, triad), whole / half steps, accidentals, intervals, major / minor scales
- Intro. to keyboard instruments
- Musical theatre and Broadway
- Various songs
- Use of pitched / non-pitched instruments