



**Shamong Township School District
Indian Mills Memorial School
Eighth Grade Curriculum Outline**

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

<div style="text-align: center; border: 1px solid black; padding: 5px; margin-bottom: 10px;">LANGUAGE ARTS</div> <p>Text: <i>Grammar For Writing-Sadlier</i> Glencoe / McGraw Hill;</p> <p>Focus: Teachers choose from a variety of sources to help students develop skills necessary to become proficient writers who able to express themselves effectively for various purposes and audiences.</p> <p>Writing Units:</p> <ul style="list-style-type: none"> • Basic elements of writing- <ul style="list-style-type: none"> ○ Paragraph structure ○ Essays for various purposes • Narrative writing • Expository writing • Persuasive writing • Personal journal writing • Poetry • Research paper using MLA format <p>Grammar Units:</p> <ul style="list-style-type: none"> • Sentences/ subject/ predicate • Nouns and verbs/ pronouns • Adjectives , adverbs, prepositions • Clauses and Complex Sentences • Diagramming Sentences • Punctuation • Verbals • Subject/verb agreement <p>Literature/ Vocabulary</p> <p>Focus: Teachers choose from a variety of sources including 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.</p>	<div style="text-align: center; border: 1px solid black; padding: 5px; margin-bottom: 10px;">LIBRARY</div> <p>Focus: Students and teachers work collaboratively with the media specialist in order to learn and refine techniques for seeking, evaluating, and using information in all formats in order to create oral, written, and multi-media research projects. Fosters voluntary reading as a means of personal growth</p> <ul style="list-style-type: none"> • Electronic resources • Printed resources • On-line resources • Documentation • Citation • Advanced (Boolean) search strategies <div style="text-align: center; border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> MATHEMATICS </div> <p>Select groups participate in Algebra. Text: <i>Glencoe Algebra 1</i>, Glencoe McGraw-Hill</p> <p>Focus:</p> <ul style="list-style-type: none"> • Seeing Structure in Expressions • Arithmetic with Polynomials and Rational Expressions • Creating Equations • Reasoning with Equations and Inequalities • Interpreting Functions • Building Functions • Linear, Quadratic, and Exponential Models • Statistics and Probability • Interpreting Categorical and Quantitative Data <p style="text-align: right; margin-top: 20px;">Grade 8 (continued)</p>
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Class Novels:

Deathwatch by Robb White
Dr. Jekyll and Mr. Hyde by Robert Louis Stevenson
Of Mice and Men by John Steinbeck

Independent / Small Group Novels:

Animal Farm by George Orwell
Freedom Writers Diary by Erin Gruwell
The Hobbit by J.R.R. Tolkien
That was Then This is Now by S.E. Hinton
The Pearl by John Steinbeck
The Pigman by Paul Zindel
Turnabout by Margaret Petersen Haddix

Mathematics

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

Focus:

- Exponents
- Scientific Notation
- Algebraic Linear Equations
- Lines and Linear Equations
- Systems of Linear Equations
- Functions
- The Pythagorean Theorem
- Geometric Transformations
- Congruence and Similarity
- Statistics
- Probability

Science

Physical Science

Definitions of Energy:

- Kinetic and potential energy
- Temperature and thermal energy

Conservation of Energy and Energy Transfer:

- Energy changes and transfer
- Heat transfer

Types of Interactions

- Electromagnetic forces
- Energy fields

Forces and Motion:

- Newton’s Laws of Motion
- Net forces
- Inertia
- Frame of reference of motion

Life Science

Structure and Function:

- Cells

Growth and Development of Organisms:

- Animal behaviors
- Plant reproduction
- Genetic and environmental effects on growth
- Sexual and asexual reproduction.

Inheritance and Variation of Traits:

- Genes and chromosomes
- Sexual reproduction: inheritance of one set of chromosomes from each parent
- Genetic mutations

Evidence of Common Ancestry and Diversity:

- Similarities in embryological development.
- Artificial selection and selective breeding

Earth Science

Natural Resources:

- Renewable and non-renewable resources

Natural Hazards:

- Geological forces that cause natural hazards, forecasting catastrophic events

Human Impacts on Earth Systems:

- Human impacts; including damaging natural habitats, extinction, and positive changes for living things.

The History of Planet Earth:

- Plate tectonics, geological time scale

Earth’s Materials and Systems:

- Flow of energy through the Earth’s systems
- How Earth’s systems shape the planet’s history and future

SOCIAL STUDIES

Text: *Creating America: Beginnings through Reconstruction* MacDougal Littell

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

Focus:

- Colonial Regions
 - Geography
 - People
- Economic Activities
- Active Citizenship in 21st Century
 - Elections/political issues
- Revolutionary Period
 - American identity, culture, government
 - Events leading to Revolutionary War
 - Declaration of Independence
- The American Revolution
- The Confederation Era through Ratification of the Constitution
- United States Constitution
- Early government
 - Washington
 - Adams
 - Jefferson- Lewis and Clark
 - Jackson- Jacksonian Democracy
- Westward expansion and Reform
- Events leading to Civil War
 - Slavery
 - Abolition movement
 - States' rights
- American Civil War
- Reconstruction

MUSIC

Focus:

- Musical history (Baroque and Classical eras)
- Guitar and composition
- Keyboard and composition
- History of Rock-n-Roll

Focus:

- Rules of internet safety
 - Cyber-bullying

HEALTH/ PHYSICAL EDUCATION

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

Focus:

- Sexual harrassment & appropriate social behavior/bully
- Nutrition/ disease/ drugs & alcohol
- Drugs & alcohol/ adolescent development
- Self-image/self-esteem/ reflection/ summer safety
- Adventure activities-
- Team sports
- Dance dance revolution
- Fitness circuits
- Pedometer introduction

SPANISH

A select group of students participate in Spanish 1. This is a two year (7th and 8th grades) high level course that is equivalent to the first year of high school Spanish.

Text: *Ven conmigo Level 1, Chapters 6-10*

Focus:

- Vocabulary:
 - Family
 - Invitations
 - Restaurant
 - Staying Healthy- The Body
- Grammar:
 - ER and IR verbs
 - “go” verbs: *hacer salir, poner*
 - Possessive adjectives
 - Stem-changing verbs
 - Ir a+infinitive
 - Tener* Expressions
 - Ser and Estar*
 - Formal commands
 - The verb *doler*
 - Direct/ indirect object pronouns

COMPUTER/TECHNOLOGY

- Gossip

Computer/Technology (continued)

- Learn about creation of websites
- Learn basics of HTML
- Learn to use scanner to digitize standard pictures
- Student created (locally stored) website
- Photo editing
- Save and burn a DVD

ART

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

Focus:

- Self portraits
- Positive /negative space
- Figure drawing
- Ceramics
- Relief Carving
- Still life drawing
- Contour line drawing
- Jewelry design
- Painting-water color, tempera, acrylic

WORLD LANGUAGE (SPANISH)

Text: *¡Expresate! 1A*

Focus:

- Reading conversations and 3-5 sentence paragraphs
- Writing 3-5 sentence conversations and paragraphs
- Reviewed and extended grammar topics
- Further emphasis on traditions of Spanish-speaking countries of the world
- Culture:
Holidays and customs of Argentina, Chile, Costa Rica and Mexico

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