

HADDON TOWNSHIP LANGUAGE ARTS GRADE EIGHT



In eighth grade English/Language Arts classes, students will continue to develop and apply their growing vocabularies. They will read fiction and nonfiction materials from classical and contemporary societies using a variety of strategies to enhance their comprehension. Focus, organization, and coherence will be developed as the students utilize the writing process to create expository, narrative, persuasive, and technical writing. Active listening and concise oral communication will be emphasized as students develop skills for interpreting a variety of audiences and sources. Students will learn to access, view, evaluate, and respond to print, nonprint, and electronic texts and resources.

ESSENTIAL LEARNINGS: All 8th grade English/Language Arts students will demonstrate an understanding of the following NJ Core Curriculum Content Standards...

Reading (Fluency and Comprehension)

- Adjust reading strategies and rates according to the nature and purpose of a text (NJ 3.1)
- Construct meaning from unfamiliar texts through use of word analysis strategies (NJ 3.1)
- Read, identify, and interpret a variety of selections about a single subject or by a single author (NJ 3.1)
- Analyze and evaluate information from expository texts (NJ 3.1)

Literature

- Identify and differentiate literacy elements in literature representative of diverse culture from classical and contemporary works of literature (NJ 3.2)
- Advance and support a judgment about significant works of fiction and nonfiction that is interpretive, reflective, or evaluative (NJ 3.2)

Writing

- Adhere to standard English format with all written documents (NJ 3.2)
- Employ elaborative detail and supporting evidence to communicate in a manner that reflects focus, organization, and coherence (NJ 3.2)
- Utilize stages of the writing process to produce expository, narrative, persuasive, and technical pieces that address audience, purpose, and content (NJ 3.2)

Speaking

- Speak in clear, concise, coherent language that varies in content (NJ 3.3)
- Differentiate purpose and audience with oral presentations (NJ 3.3)

Listening

- Develop active listening skills as they relate to a variety of sources and situations including electronic texts (NJ 3.4, 3.5)

Viewing and Media Literacy

- Identify aspects of print and electronic texts that support the author's point of view (BJ 3.5)
- Consider the use of setting to support media presentations (NJ 3.5)
- Recognize and respond to visual and print messages of humor, irony, metaphor (NJ 3.5)
- Discuss and compare values in visual and verbal advertising (NJ 3.5)
- Compare and contrast a news story across different news sources (NJ 3.5)
- Develop criteria to judge the effectiveness of visual/verbal presentations (NJ 3.5)

CHARACTERISTICS OF EFFECTIVE LEARNERS:
All 8th grade students will demonstrate growth in the following characteristics of effective learners...

Problem Solving

- Use critical thinking skills to analyze and evaluate information

Communication

- Express ideas clearly through written and oral representations

Reasoning and Evidence

- Apply basic principles of logic and reasoning

Connections

- Draw meaningful connections within academic content and real world applications

Representation

- Produce a finished product demonstrating mastery and synthesis of content

Collaboration

- Work within a team framework to achieve group goals

Citizenship

- Develop self-responsibility for setting and achieving academic goals as well as making positive life choices

Resources

- Literature in a variety of genres
- Daybook of Critical Reading and Writing (Great Source, 1999)
- Writing and Grammar: Communication in Action (Prentice-Hall, 1999)
- Vocabulary Workshop: Level C (Sadlier-Oxford, 1995)



Technology

Students will use technology in English/Language Arts classrooms to:

- Access and retrieve information responsibly to support learning
- Organize, analyze, and evaluate accessed information
- Use word processing programs to draft, revise, and edit writing projects
- Utilize on-line linguistic resources to support growth and understanding in literacy areas

Assessment

Student learning will be assessed using a variety of measures, including:

- Teacher generated tests and quizzes
- Integrated projects
- Writing projects
- Student projects and presentations
- Homework and teacher generated assignments
- Student participation/conduct
- Mid-year and end-year assessments
- NJASK (New Jersey Assessment of Skills and Knowledge)
- Individual and group projects

Parent Involvement

Research supports that parent involvement in education can lead to academic benefits for students.

Haddon Township parents of 8th grade students are encouraged to:

- Set a regular time, place, and routine for homework with minimal distractions
- Provide appropriate supplies for students
- Review homework and course content regularly
- Plan family trips and outings that support content and learning

HADDON TOWNSHIP MATHEMATICS GRADE EIGHT



In eighth grade mathematics classes, students will recognize situations in which important problems and decisions involve relations among quantitative variables; use numerical tables, graphs, symbolic expressions, and verbal descriptions to describe and predict the patterns of change in variables; recognize the patterns of change associated with linear, exponential and quadratic functions; and use numeric graphic and symbolic strategies to solve common problems involving linear, exponential and quadratic functions.

ESSENTIAL LEARNINGS: All 8th grade math students will demonstrate an understanding of the following NJ Core Curriculum Content Standards...

Number Sense

- Construct meanings for rational numbers, percents, exponents, roots, absolute values, scientific notation, and common irrational numbers
- Order and compare numbers of all named types
- Use fractions, decimals and percents to represent equivalent forms of the same number
- Recognize that repeating decimals correspond to fractions and determine their fractional equivalents
- Understand and use ratios, proportions, and percents in a variety of situations
- Understand and apply the order of operations and explain procedures for performing calculations involving addition, subtraction, multiplication, division, and exponentiation with all real numbers through the use of pencil and paper, mental math and calculator
- Find square and cube roots, use exponentiation to find powers of numbers and understand the inverse nature of powers and roots
- Estimate percent and decimal equivalence of fractions, square and cube roots of numbers and understand the limitations of estimation
(NJ 1, 2, 3, 4, 5, 6, 8, 10; NCTM 4.1)

Patterns and Algebra

- Recognize, describe and create patterns involving various types of numbers and various types of functions
- Use patterns, relations, symbolic algebra and linear functions to model situations through the use tables, graphs and equations
- Apply the properties of operations and numbers through the use of simplifying algebraic expressions and solving linear equations
(NJ 1, 2, 3, 4, 5, 12, 14; NCTM 4.3)

Geometry and Measurement

- Understand and apply concepts involving lines, angles, planes, the Pythagorean theorem, properties of polygons and the concept of similarity
- Understands and applies transformations and uses iterative procedures to generate geometric patterns
- Use coordinates in four quadrants to represent geometric concepts and model transformations
- Solve problems that involve compound measurement units and different units of measurement
- Understand that all measurements are approximation and select and use the appropriate tool for measuring
- Develop and apply strategies for finding perimeter, area, surface area and volume
(NJ 1, 2, 3, 4, 5, 7, 9, 15; NCTM 4.2)

Data Analysis, Probability and Discrete Mathematics

- Use surveys and sampling techniques to generate data and determine appropriate representations, measures of central tendency, and lines of best fit
- Explore probabilities of compound and conditional events through experimental simulations and theoretical analysis
- Apply techniques of systematic listing, counting, and reasoning in a variety of different contexts
- Use vertex edge graphs and algorithmic thinking to represent and find solutions to practical problems
(NJ 1, 2, 3, 4, 5, 11, 13, 15; NCTM 4.4)

CHARACTERISTICS OF EFFECTIVE LEARNERS

All 8th grade math students will demonstrate growth in the following characteristics of effective learners...

- **Problem Solving**
Use critical thinking skills to analyze and evaluate information
- **Communication**
Express ideas clearly through written and oral representations
- **Reasoning and Evidence**
Apply basic principles of logic and reasoning
- **Connections**
Draw meaningful connections within academic content and real world applications
- **Representation**
Produce a finished product demonstrating mastery and synthesis of content
- **Collaboration**
Work within a team framework to achieve group goals
- **Citizenship**
Develop self-responsibility for setting and achieving academic goals as well as making positive life choices



Resources

Connected Mathematics 2 (Prentice-Hall, 2009)

Thinking with Mathematical Models; Looking for Pythagoras; Growing, Growing, Growing; Say it with Symbols; Samples and Populations; The Shapes of Algebra

Graphing Calculator

Math Manipulatives

Assessments

Assessment of student performance is based on observations of regular classroom activities, collections of daily written work and group projects, and more formal assessments such as end-of-unit tests. The NJASK 8 is given to all 8th grade students in March.

Technology

Students use technology in Math classrooms to:

- Gather, analyze, and communicate mathematical information
- To solve problems (e.g. Explore patterns, validate solutions)
- Investigate properties of functions and their graphs
- To organize and display quantitative information

Parent Involvement

Research supports that parent involvement in education can lead to academic benefits for students.

Haddon Township parents of 8th grade students are encouraged to:

- Set a regular time, place and routine for homework with minimal distractions
- Provide appropriate supplies for students
- Review agenda, homework and course content regularly
- Discuss contemporary issues that relate to and support content and learning
- Plan family trips and outings that support learning

HADDON TOWNSHIP SOCIAL STUDIES
GRADE EIGHT



In grade eight *World Culture* classes, students will study the world regions of Europe and Russia, Canada, and Latin America. The course is a historical survey chronologically tracing the major historical periods of each region. Culture, history, geography, government, economics, and the humanities are strands that will be covered in each respective region. An underlying theme of the course will be an emphasis on contemporary culture and how it relates to both past and present.

ESSENTIAL LEARNINGS: All 8th grade Social Studies students will demonstrate an understanding of the following NJ Core Curriculum Content Standards...

Cultures

- Identify and discuss the cultural characteristics and contributions of various regions and time periods (NJ 6.2, 6.3)
- Recognize the important role religion has played in the development of society (NJ 6.2, 6.3)

History

- Analyze and evaluate important historical events and time periods, recognizing important historical figures throughout each (NJ 6.3, 6.4)
- Draw significant parallels and connections between key historical events and the world today (NJ 6.3, 6.4)
- Distinguish between primary and secondary sources and their significance in the study of history (NJ 6.3, 6.4)

Geography

- Recognize the impact of geography on the shaping of history and culture (NJ 6.3, 6.4, 6.6)
- Accurately locate significant geographic regions and locations (NJ 6.6)

Government

- Compare and contrast various forms of government to our democratic system (NJ 6.2, 6.3, 6.4)

Economics

- Analyze the role and impact of economics on historical development and contemporary society (NJ 6.3, 6.4, 6.6)

Humanities

- Identify significant works of art, literature, architecture and music that have influenced society (NJ 6.3)

HABITS OF EFFECTIVE LEARNERS: All 8th grade students will demonstrate growth in the following characteristics of effective learners...

Problem Solving

- Use critical thinking skills to analyze and evaluate information

Communication

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Reasoning and Evidence

- Apply basic principles of logic and reasoning

Connections

- Draw meaningful connections within academic content and real world applications

Representation

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GRADE EIGHT SOCIAL STUDIES

Resources

World History: Journey Across Time (McGraw-Hill/Glencoe, 2008)

World Atlas (Nystrom, 2002)

Primary documents, interactive software, videotapes, maps

Teacher directed materials, i.e. notebooks, folders, binders, assignment books

Literature and art connections



Technology

Students will use technology in social studies classrooms to:

- Access and retrieve information responsibly to support learning
- Organize, analyze, and evaluate accessed information
- Research, report, and write documenting sources appropriately
- Present social studies information in a variety of forms
- Create multimedia presentations of self-selected social studies topics
- Communicate understandings of social studies content and processes

Assessments

- Teacher generated tests and quizzes
- Cross-curricular projects
- Writing
- Student projects and presentations
- Assigned and self-selected extensions
- Homework and teacher generated assignments
- Student participation/conduct
- Mid-term and final assessments

Parent Involvement

Research supports that parent involvement in education can lead to academic benefits for students.

Haddon Township parents of 8th grade students are encouraged to:

- Set a regular time, place, and routine for homework with minimal distractions
- Provide appropriate supplies for students
- Review homework and course content regularly
- Discuss local and national news accessed through newspapers, news magazines, newscasts, educational television, and appropriate internet sites
- Discuss contemporary issues that relate to and support content and learning
- Plan family trips and outings that support social studies learning, including visits to sites of historical interest
- Discuss contemporary issues that relate to and support content and learning