

## Social Studies

Social studies allows students to gain knowledge across disciplines and to develop inquiry, critical thinking, and communication skills. As students gain an appreciation for the past and an understanding of the present, their capacity for multiple perspectives and subsequent tolerance of diversity and change increases. Consequently, young learners develop civic competence; the ability to become informed, responsible citizens who are able to contribute to the well-being of their communities.

By the end of grade **five** your student will be able to:

- Develop the concept of culture and appreciate differing cultural perspectives, values, and customs
- Research Native American ethnicities encouraging students to develop an appreciation of differing values and customs  
Manipulate and interpret maps, charts, and other visual data to generate information  
Experience activities that direct students to understand the political, economic, and social motivations of exploration and settlement of America
- Recognize the connection between geography and regional development
- Study the concept of citizenship in respect to civic responsibilities.
- Experience activities that allow students to understand the causation of Colonial development
- Gain an understanding of why and how institutions change over time and how that change influences patterns of development  
Experience activities that foster problem-solving through the examination of the tensions between the colonies and Great Britain, the formation of a new American government, westward expansion, and the developments leading to the Civil War
- Review and build upon skills of previous grades as well as expanding development to include thematic essay writing, note taking, content area reading strategies, graphic organizers, presentations, research, and role-playing

## Language Arts

The English Language Arts program assists all students in becoming knowledgeable and proficient users of language. In an on-going process, students become inquisitive and critical thinkers, effective writers, attentive listeners, articulate speakers, discriminating viewers, and strategic readers.

By the end of grade **five** your student will be able to:

- Use meaning, language and phonics simultaneously to identify new words and to monitor and confirm reading
- Read aloud quickly and accurately with proper expression and phrasing
- Learn and use new words, including words related to specific content areas
- Understand figurative language
- Determine the theme of a story, play or poem, as well as how characters respond to challenges
- Summarize the key details of a stories, dramas, poems and informational text , including central ideas
- Quote accurately from a text to explain what the text says or infers
- Compare and contrast two or more characters, settings, or events in a story
- Compare and contrast stories that deal with similar themes or topics
- Explain how authors use reasons and evidence to support their points of view and identify and judge the evidence in an author's argument to change a reader's point of view
- Draw on information from multiple books, articles, or online sources to locate an answer or solve a problem
- Learn the rules of spoken and written English
- Participate in class discussions by listening, asking questions, sharing ideas and building on the ideas of others
- Give a class presentation on a topic with clear, logically ordered facts and details and include multimedia components
- Write explanatory pieces that examine a topic and convey information clearly

- Write opinion pieces that support a point of view with reasons, facts and examples
- Write stories, real or imaginary, that unfold naturally and develop the plot with dialogue, description and effective pacing of the action
- Write research papers over extended periods of time
- Use technology (internet and keyboarding) to produce and publish writing
- Strengthen writing by editing and revising

## Science

The science program is designed to build students' conceptual knowledge and science literacy. It implements a hands-on, inquiry based approach. A variety of techniques, materials, and technologies are used to help students develop skills in scientific process, communication, and critical thinking along with increasing their content knowledge. Math and language arts are integrated throughout the science curricula at all levels.

By the end of grade **five** your student will be able to:

- Describe sound as a form of energy transmitted by the vibration of objects and air
- Describe light as a form of energy that travels in a straight line and can be reflected by a mirror, refracted, or absorbed
- Describe how sense organs perceive stimuli and send signals to the brain through the nervous system
- Explain how perceiving and responding to information about the environment is critical to the survival of organisms
- Explain how most objects in the solar system are in a regular and predictable motion
- Explain how humans have the capacity to build and use tools to advance the quality of their lives

## Mathematics

The mathematics program in East Hampton is committed to developing math literate students who utilize the tools of mathematics effectively to analyze data and solve quantitative problems.

By the end of grade **five** your student will be able to:

- Add, subtract and multiply fractions fluently
- Divide multiple digit numbers, including with decimals
- Read, write, compare, add, subtract, multiply and divide decimals multiple places
- Solve word problems involving addition, subtraction and multiplication of fractions and mixed numbers
- Solve real world problems involving division of unit fractions
- Apply the formulas  $V = l \times w \times h$  and  $V = b \times h$  for rectangular prisms to find volumes
- Convert among different-sized standard measurement units to solve multi-step, real world problems
- Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols
- Represent real world and mathematical problems by graphing points in coordinate planes
- Find volume of right rectangular prisms by multiplying edge lengths (height by area of the base)
- Find volumes of solid figures to solve real world problems.

## Music

All children possess an innate creative spirit that can be brought out through varied musical experiences. Movement, singing, playing instruments, composing, and analysis of listening selections are utilized throughout the year.

By the end of grade **five** your student will be able to:

- Read and perform music on piano keyboard using both hands
- Create songs with lyrics in a group project
- Analyze and create musical/dramatic performances
- Sing in unison and descant, focusing on form
- Compare composers and styles of music from various periods
- Listen to and perform music and musicals from America

## **Band (optional)**

- Develop intonation
- Read syncopated/dotted rhythms
- Perform in small ensembles and large band setting
- Follow subtleties in conducting patterns, making noticeable changes in dynamics as well
- Increase range on instrument from the lowest note to a 5<sup>th</sup> from the top

## **Chorus (optional)**

- Sing in tune with proper breath support, diction, and musical style
- Echo melodic phrases alone or with a group
- Learn the mechanics of good vocal production including chest/head voices
- Echo melodic patterns with the correct syllables and hand signs
- Create an appropriate musical accompaniment on a percussion instrument
- Perform rounds, partner songs, and independent and in unison harmony
- Perform a variety of songs in different keys, musical styles, and meter
- Learn about the musical elements of performance

## Health

The health curriculum is a comprehensive program (based on National Health Standards) designed to address significant health issues facing today's youth. Maintaining good health begins with an understanding of what bodies need to be physically, socially, and emotionally healthy. Our goal is to teach the skills necessary for students to make informed choices in order to maintain a healthy lifestyle.

By the end of grade **five** your student will be able to:

- Identify and describe safe food practices
- Be able to discuss how nutrition labels are used to identify foods that are high and low in fat, cholesterol, and sodium
- Describe the role of key nutrients (calcium, vitamins, and minerals) in maintaining a healthy body
- Practice decision-making, problem-solving, and refusal skills in order to avoid alcohol, tobacco, and drug use
- Define the terms communicable and non-communicable disease and identify ways to prevent disease
- Describe the physical and emotional changes that occur during puberty
- Identify responsible health behaviors and practice safety techniques to avoid and reduce injury and disease
  - Demonstrate avoidance and refusal skills to enhance health

## Art

Art is a universal language. We believe it is imperative that all students have the opportunity to grow in their understanding of this avenue of communication. Art education involves nurturing the development of an aesthetic attitude and the ability to make personal artistic statements by using one's creative powers and decision-making skills.

By the end of grade **five** your student will be able to:

- Analyze and discuss major artists
- Study Native American art and culture
- Study and produce visual expressions utilizing symmetry, mirror images, negative, positive, realistic, abstract, and tessellations
- Explore pastels through the creation of a still life of musical instruments

- Be introduced to 1 point perspective
- Develop skills in weaving, bead making, pinch pottery, coil and slab clay structure, tensigrity (3D linear geometric forms), origami, pen and ink drawing, print making, and macramé

## Physical Education

Physical education is an integral part of the total educational program. Every student participates in a planned sequential program aimed at developing specific physical fitness skill areas. It is our goal to use a variety of physical activities to promote healthy life- styles, develop gross and fine motor skills, and lay the ground work for participation in lifetime leisure activities.

By the end of grade **five** your student will be able to:

- Demonstrate proficiency in striking, dribbling, throwing, and catching
  - Demonstrate coordinated and rhythmic movements found in dance, jump roping, and juggling
  - Complete the Connecticut Health-Related Fitness Assessment
  - Identify and apply principals of practice to enhance performance (e.g. form, consistency, repetition)
  - Demonstrate proficiency in strength, endurance, coordination, and balance through a variety of gymnastics/fitness related activities
  - Utilize safety principals in all activity situations
- Demonstrate cooperative problem-solving skills, fair play, and social skills in all activities

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EAST HAMPTON

PUBLIC

SCHOOLS

CURRICULUM  
OVERVIEW



## Vision

The East Hampton School District – preparing and inspiring our students to be innovative, responsible, contributing members of an ever-changing global society.

## Mission

The mission of East Hampton Public Schools in partnership with our community is to develop knowledgeable, responsible, productive citizens who effectively demonstrate problem-solving and communication skills, make informed decisions and respond appropriately and confidently to life's challenges

**GRADE 5**