

## LIBRARY MEDIA

Grade 5 Library Media curriculum, instruction, and assessment help each student learn to:

- Explore various topics within each division of the Dewey Decimal System
- Develop and write a curriculum-related, multi-source report using appropriate software and hardware to present information
- Judge the relevance, credibility, and completeness of print and/or non-print material

## MUSIC

Grade 5 Music curriculum, instruction, and assessment help each student learn to:

- Develop melodic independence during improvising on Orff instruments and playing the recorder
- Recognize differences between instruments within the same family

## PHYSICAL EDUCATION

Grade 5 Physical Education curriculum, instruction, and assessment help each student learn to:

- Demonstrate and apply motor skill performance in team and individual lifetime activities
- Develop a health-enhancing level of physical fitness

## VISUAL ARTS

Grade 5 Visual Arts curriculum, instruction, and assessment help each student learn to:

- Experiment with drawing, color theory, design, painting, printmaking, three-dimensional work, textiles, and art history/aesthetics

## Core Beliefs

- *We believe that all individuals are capable of learning.*
- *We believe that all individuals should have the resources necessary to achieve success within a challenging curriculum.*
- *We believe that a family, school, and community partnership is essential to our success. We believe that a safe and orderly environment is critical to learning.*
- *We believe that there is strength in diversity and that all individuals are worthy of our respect and dignity.*
- *We believe that our school climate must be welcoming, caring, and supportive for all members of the learning community.*
- *We believe that a reflective evaluation of present practices and processes is necessary in order to plan for our future.*

Martin J. Semmel Ed.D.  
Superintendent of Schools

Susan C. Iwanicki, Ed.D  
Assistant Superintendent of  
Teaching & Learning

Christina L. Hefele  
Director of Digital Learning

Jenell Cunningham  
Technology Integration Specialist

Elizabeth Dougherty  
Coordinator of Science K-5

Terry Buckingham  
English Language Arts Program Leader K-5

Mary Santilli  
Mathematics Program Leader K-5

203-452-4336  
www.trumbullps.org



Committed to Excellence

## Curriculum Overview

### FIFTH GRADE



## Mission

*The Trumbull Public School System, in partnership with the community, strives to meet the educational needs of all students within a challenging and supportive academic environment that empowers each student to become a lifelong learner and to live and participate in a democratic, diverse, and global society.*

## ENGLISH LANGUAGE ARTS

Frequent practice in reading, writing, speaking, and listening continues in grade 5. Through readers' and writers' workshop, each student engages in reading literature and informational text; in writing narrative, informational/explanatory, and opinion pieces; in speaking to convey his or her own ideas clearly; and in listening to understand the ideas of others.

Grade 5 English Language Arts curriculum, instruction, and assessment help each student learn to:

- Use active reading comprehension skills/strategies with a variety of texts
- Support thinking with evidence from text that is read, both orally and in writing
- Read orally with accuracy, expression, and appropriate pace
- Maintain interest and focus during independent reading for increasing lengths of time
- Demonstrate effort in reading
- Express written ideas clearly with supporting relevant details in narrative, informational, and opinion genres
- Connect written ideas with appropriate arrangement, using transitional words as needed
- Use purposeful vocabulary with audience in mind
- Vary sentence length and sentence structure, applying transitional phrases
- Apply rules of grammar and punctuation accurately
- Apply spelling strategies in written work
- Demonstrate effort in writing

## MATHEMATICS

In grade 5, multiplication and division of whole numbers and fractions prepares students for more formal study of algebra. By the end of the year, students are expected to use the standard algorithm to solve multi-digit multiplication problems.

Grade 5 Mathematics curriculum, instruction, and assessment help each student learn to:

- Quickly and accurately add, subtract, multiply and divide multi-digit whole numbers
- Write and interpret mathematical expressions using symbols such as parentheses
- Add and subtract fractions with unlike denominators
- Multiply fractions by whole numbers and other fractions
- Divide unit fractions by whole numbers and whole numbers by fractions
- Read, write, and compare decimals to the thousandths place
- Add, subtract, multiply, and divide decimals to the hundredths place
- Analyze and determine relationships between numerical patterns
- Decompose three-dimensional shapes and find volumes of right rectangular prisms, measuring volume using multiplication and addition
- Persevere and maintain focus during math learning

## SCIENCE

Grade 5 students investigate and extend their knowledge of science as they explore topics of Earth and Space, Physical, and Life sciences along with a STEM-based mini-unit on solar houses. They use science notebooks to demonstrate their understanding of science concepts and key vocabulary, make accurate scientific observations, ask questions and define problems, represent and interpret information through data analysis or diagrams, and demonstrate effort in science and adherence to science safety guidelines.

Grade 5 Science curriculum, instruction, and assessment help each student to:

- Research, design, and build a model of a solar house
- Explore how the positions of the earth, moon, and sun in our solar system impact life on earth
- Investigate the physics of sound and light
- Study the structure and function of the human eye and ear
- Understand that science inquiry leads to exploration of the world around them

## SOCIAL STUDIES

Grade 5 Social Studies curriculum, instruction, and assessment build on students' understanding of Connecticut to help each student:

- Connect Connecticut and local history with the founding of the United States
- Explore how events and advances in technology led to the exploration and colonization of the Americas
- Exhibit competency in relevant literacy, inquiry, and research skills