

Unified Arts: Fifth Grade

The Unified Arts program supports and enriches each child's experience at Windham Center School. Each program strives to enhance each child's self-esteem by introducing them to talents and abilities they might not otherwise discover.

Physical Education

Goals in PE address becoming physically educated to acquire an active and productive lifestyle. Students in fifth grade will:

- Participate in health-enhancing activities & understand the benefits of these activities.
- Demonstrate and apply various movement forms and concepts to a variety of physical activities.
- Participate to understand the benefits and challenges of working in a group setting.
- Demonstrate positive, responsible behavior to work productively toward a group goal.
- Demonstrate respect for differences among others in physical activity settings.

Art

Goals in Art utilize both the NH State Frameworks for Art Education and National Standards to create benchmarks for fifth grade art classes. Students in fifth grade Art will:

- Explore two and three dimensional shape drawing.
- Enhance depth in drawings using shading and blending of shapes.
- Complete projects coordinated with units in the fifth grade classroom.

Music

Goals in Music adhere to the NH Frameworks for Art Education and National Standards have been used to create benchmarks for grade five. Students in fifth grade Music will:

- Build rhythm skills.
- Review basic notes and rest values and learn sixteenth notes.
- Be exposed to the elements of Opera.
- Learn to sing alone and with others using proper vocal techniques that encourage good intonation.
- Begin to sight read music and compose original pieces using Music Notation Software.

All fifth grade students are encouraged to participate in the Concert Band, or Show Chorus. These groups perform both winter and spring Concerts. Goals for band and strings students are to improve their overall musicianship proficiency. The result will prepare them for concert band, jazz band, and chamber ensembles during middle school.

Participants will:

- Perform in two concerts and march in the Memorial Day Parade.
- Create and perform many complicated rhythmic patterns.
- Perform music in several different meters and key signatures.
- Perform on their individual instrument individually and in group lessons.

- Exhibit responsible behavior, consistent practice and preparation for class.
- Demonstrate proper instrument safety and maintenance.

Enrichment

Enrichment coordinates with other Unified Arts at each grade level. It also coordinates with and supports the regular fifth grade curriculum, classroom units, and the NH Frameworks in order to allow students to:

- Participate in pertinent, kinesthetic, and differentiated activities that are engaging for all interest and ability levels.
- Explore and practice critical thinking skills, including quantitative and deductive reasoning, analogies, and patterns.

World Language

The Broad Goal in the World Language Program is to expose students to different languages and cultures around the world. The focus is on the French and Spanish languages. Each student in fifth grade will have a total of three semesters in each language. Our hope is that they will be prepared to make a more informed decision about which language they would like to study at the Windham Middle School.

Windham School District



Center School

Fifth Grade Curriculum

English Language Arts: Fifth Grade

Broad Goals for English Language Arts education in the Windham Public Schools address acquiring the interactive skills and processes of reading, writing, speaking, listening, and viewing; and include the study of literature and application of language arts.

The Fifth Grade English L.A. curriculum, *Trophies*, is a fully integrated reading/language arts program. The materials of the program include an anthology of stories, a Practice Book and Language Arts Handbook, and assorted theme related novels. These varied resources will enable students to:

- Appreciate a variety of engaging classic and contemporary literature.
- Strengthen English grammar skills and apply them to their writing.
- Enrich their vocabulary through pre-reading activities that build background.
- Utilize reading strategies to build fluency, comprehension, and study skills.
- Analyze word structure according to common phonetic patterns.
- Polish creative writing skills in many different writing genres: creative, narrative, expository, descriptive, and poetic.
- Build independent reading skills through individual, themed book reports completed each month.

The Fifth Grade Spelling curriculum is also incorporated in *Trophies*. It is a traditional spelling program that groups words according to common phonetic patterns. Students will:

- Complete a variety of workbook activities weekly.
- Understand phonics and spelling patterns.
- Build independent study and time management skills.
- Complete weekly spelling tests.

Mathematics: Fifth Grade

The Fifth Grade Mathematics curriculum, in keeping with the New Hampshire State Frameworks, aims to deepen the student's understanding of basic skills while strengthening problem solving and reasoning skills.

Problem Solving & Reasoning:

- Formulate and solve problems that require the use of strategies.
- Interpret, reason, solve, and verify multi-step problems.
- Use manipulatives, graphic organizers, and calculators.

- Justify thinking through examples and explanations.
- Explore patterning through fractions, decimals, and geometrical shapes.

Communication & Connections:

- Explain, analyze, and evaluate mathematical conclusions.
- Recognize, develop, and explore mathematical connections.
- Use mathematical skills, concepts, and applications in other disciplines.

Numbers, Numeration, Operations, and Number Theory:

- Develop and use order relations for integers and positive rational numbers.
- Explore divisibility.
- Read and write whole numbers.
- Understand number properties.
- Master multiplication facts with factors up to 12.
- Multiply and divide three-digit whole numbers by two-digit whole numbers.
- Add and subtract fractions and decimals.
- Use mental computation and estimation strategies.

Geometry and Measurement:

- Classify and compare geometric shapes.
- Measure and classify angles.
- Develop spatial sense.
- Introduce standard and metric units of measurement.

Data Analysis, Statistics, and Probability:

- Collect, organize, describe, display, and interpret data.
- Explore various uses of mean, median, and mode.
- Find probabilities of events.

Patterns and Functions:

- Recognize, describe and extend a pattern using models.
- Identify relationships between prime and composite numbers.
- Solve simple linear equations.
- Explore algebraic concepts and processes.
- Explore the use of variables, expressions, equalities, and inequalities.
- Use computers and calculators to graph linear relationships.
- Analyze tables and graphs.

Social Studies: Fifth Grade

The Broad Goal for the Fifth Grade Social Studies Curriculum is for students to gain an understanding and appreciation for the founding and growth of our nation. Students will:

- Compare and contrast the three distinct English colonies that developed in North America.
- Learn how life in 1700's America differed greatly from life back in Europe.

- Realize how these differences led to the American Revolution and the eventual formation of an independent nation, the United States of America.
- Examine the growth of the United States as more and more Americans moved westward.
- Realize how these changes led to the Civil War.
- Study the changes that took place in America during the Reconstruction period: settlement of the Great Plains, the Industrial Revolution, and the emergence of the United States as a world power.
- Demonstrate an understanding of the nation's geography.
- Utilize map and globe skills to locate major landforms, countries, oceans, states and their capitals.

Science: Fifth Grade

Students at Windham Center School will conduct scientific investigations in the following areas: transport systems of the body, oceanography, weather, electricity, light, fire safety, and the metric system.

Weather

- Recognize the causes and changes of weather.
- Describe how clouds affect weather and climate.
- Utilize weather instruments to record and predict weather.

Electricity

- Identify characteristics and sources of electricity.
- Understand the relationship between magnets and electricity.
- Communicate an understanding of electrical safety.

Matter

- Recognize that all matter is composed of atoms.
- Recognize there are many elements.

Astronomy

- Recognize the characteristics that make the Earth unique.
- Review the temporal relationships of the Earth, Sun, and Moon.
- Compare and Contrast planets.
- Study the history of planetary exploration, constellations, and space achievements.
- Recognize the importance of technology as it relates to science.

Careers

- Recognize that some form of science is used in most jobs/careers.

Metric System

- Utilize the metric system in a variety of scientific investigations.