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states and regions

Help the students develop an awareness of the interdependence of business in a region and the flow of money through a region



Help the students solve basic business and economics-related skills and concepts

### **Geography**

Students will:

Understand and identify maps and globes

Identify different places, oceans, and continents

Summarize data from maps

Identify and compare all different types of graphs

### **History**

Students will study:

The relationship of Early Americans to present day

The 13 original colonies with relationship to New Hampshire

New Hampshire History

Current Events: to understand the world around us

### **Science: Grade 4**

#### **Earth Science**



Rocks and Minerals

Sun's light and heat and the effect on the Earth  
Sun, Moon, and Earth relationships

The advantages and disadvantages of the use of natural resources

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#### **Life Science**

Characteristics of humans and other animals and how these characteristics help them survive

The making of healthy food and activity choices

Basic heredity

#### **Physical Science**

Forces and motion and simple machines

Natural resources and their use in creating energy (wind, geothermal, etc)

Objects and materials that create electricity, including the creation of a simple circuit.



### **Windham Center School**

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# **Windham School District**



## **Windham Center School**

## **Grade 4 Curriculum**

## Language Arts Grade 4



Broad goals for English Language Arts education in the Windham public schools address acquiring the interactive skills and processes of reading, writing, speaking, and listening through a balanced literacy program which includes the study of literature and the application of language arts.\*

### The standards-based language arts curriculum includes:

Using questioning, reviewing, revising and re-reading to enhance overall comprehension

Enriching vocabulary

Accessing reference materials

Experiencing a variety of genres

Strengthening reading strategies to build comprehension, study skills and independent reading

Increasing fluency with appropriate phrasing and expression

Writing effectively for a variety of purposes

Identifying the parts of a sentence

Using punctuation effectively

Recognizing parts of speech

Building an understanding of figurative language including similes, metaphors and personification

Writing a variety of genres

Recognizing and implementing phonetic and spelling rules/patterns

Participating in various practice activities throughout each week to improve spelling skills

Expanding word study skills through the analysis of compound words, contractions, prefixes, suf-

fixes, plurals, base words, and possessives

*\*At each grade level, concepts are further developed in depth and breadth through increasing text complexity*

## Mathematics: Grade 4

The Fourth Grade Mathematics curriculum is aligned with the NH State Curriculum Standards and includes:

### Numbers and Operations:

Place Value

Fact Fluency

Addition and Subtraction

Multiplication (fact fluency to 10s) and Division

Whole Numbers

Decimals

Fractions

Computation

Problem-Solving

### Geometry and Measurement

Measurement

Shapes and Attributes

Congruency

Properties of Polygons

Angles

Area and Perimeter

Calculate the perimeter of any given polygon.

Find area of rectangles, polygons and irregular shapes

### Functions and Algebra:

Patterns and Algebraic Expressions

Sequences

Solve equations

Equivalency

Order of Operations



## Data, Statistics, and Probability:

Graphing and Data Organization

Line plots, tables, bar graphs, pictographs, and circle graphs.

Minimum and maximum value, range, median and mode.

Probability and Permutations

Develop vocabulary to express probability outcomes.

Determine the probability of an event using a fraction.

“Law of large numbers”

Use a variety of strategies to discover a number of possible outcomes given a variety of items.

## Social Studies: Grade 4

Fourth Grade students will experience social studies concepts in the areas of civics and government, economics, history, and geography in an integrated manner.

### Civics and Government

Students will:

Learn to respect society’s rules and laws

Learn to respect the multicultural nature of our society

Work with others towards a solution for social problems

### Economics

The broad goal is for students to examine our region and focus on business resources in state and regional economies.

The goals of our region are to:

Help the students discover the importance of resources to the operation of a business

Increase the students’ awareness of the production and the distribution of goods and services in