

**What your fifth grader will be able to do by the end of the year**

**Math**

- Multiply and divide whole numbers by powers of ten, mentally
- Express fractions, decimals, and percents and change from one form to another
- Identify factors and multiples of prime and composite numbers
- Write expressions for ratios, equivalent ratios, equivalent fractions and equivalent decimals
- Multiply a three-digit number by a two-digit number including decimals to the tenths place
- Divide whole numbers by one-digit divisors
- Write statements and solve word problems using addition and subtraction of fractions
- Solve applied problems using multiplying and dividing of fractions including decimals and money
- Solve problems to find the measurement of an angle and know the meaning of angles
- Use formulas to find the area of polygons
- Solve problems about geometric shapes
- Understand the concept of volume
- Compare relative size using measurement of volume.
- Convert measurements in the standard system and the metric system
- Solve applied problems using division with a two-digit divisor
- Find the mean, median, and mode of a graph
- Make line graphs

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**Social Studies**

- Identify the shape and location of all 50 United States
- Describe the lives of people living in North America before European exploration
- Identify the causes and consequences of European exploration and colonization
- Describe the lives of people living in Western Africa prior to the 16th Century and the consequences of interactions among European, African, and American Indian peoples in the late 15th through 17th Century
- Compare the regional settlement patterns and describe significant developments in Southern, New England, and Mid-Atlantic colonies
- Analyze the development of the slave system in the Americas and distinguish among and explain the reasons for regional differences in Colonial America
- Identify the major political, economic, and ideological reasons for the American Revolution
- Explain the multi-faced nature of the American Revolution and its consequences
- Explain some of the challenges faced by the new nation under the Articles of Confederation and analyze the development of the United States Constitution



In line with State of Michigan  
Grade Level Content Expectations

**Woodview Elementary  
Fifth Grade  
Student Learning  
Objectives**

Woodview Elementary  
Grades 3-5  
450 Orchard Street  
Belding, MI 48809  
616-794-4750

## What your fifth grader will be able to do by the end of the year

### English Language Arts

- Use a variety of strategies to identify and understand unknown words
- Automatically recognize common fifth grade sight words
- Read grade level text fluently
- Analyze a variety of narrative genre (such as historical fiction, tall tales, mystery, science fiction, fantasy) for story elements and relate narrative stories to real life
- Explain how authors use literary devices in narrative text
- Analyze a variety of informational text (such as advertising, experiments, editorials, atlases) for text elements
- Explain how authors use text features in informational text
- Comprehend grade level reading and make connections with personal knowledge and universal themes
- Self-monitor reading comprehension using a variety of strategies
- Show enthusiasm for reading and writing and do substantial reading and writing
- Use the writing process including prewriting, drafting, revising, and editing for all published pieces
- Develop a variety of writing pieces including narrative, poetry, and persuasive essay
- Produce and present a research project using multiple resources

## What your fifth grader will be able to do by the end of the year

### English Language Arts

- Observe conventions of writing including proper grammar and usage, correct spelling, and neat handwriting
- Speak effectively to communicate in both formal and informal settings
- Actively, respectfully, effectively, and critically listen to a variety of presentations and respond thoughtfully

### Science

- Identify forms of energy
- Use scientific method to conduct scientific investigations using appropriate equipment to gather data
- Identify forces and how they act on objects and produce motion
- Identify the three laws of motion and understand how they describe the motion of objects
- Describe the motion of an object in terms of distance, time and direction, as the object moves, and in relationship to other objects
- Construct a line graph from scientific data and observations
- Research an invention or a scientist to show how technology has advanced over time
- Identify the general purpose of selected animal systems and explain how the systems work together

## What your fifth grader will be able to do by the end of the year

### Science

- Distinguish between inherited and acquired traits and understand that traits are influenced by genetics and the environment
- Explain that animals survive in their environment based on their physical and behavioral characteristics
- Describe how fossils provide evidence about the history of the earth and the catastrophic events that took place
- Relate the degree of similarity to the classification of organisms
- Explain the reason for the seasons on Earth due to the Earth's tilt and how it revolves around the sun
- Explain moon phases, solar and lunar eclipses, and how tides are caused
- Describe the position of the planets in the solar system and their relationship to the sun

