

# Curriculum Guide



RUTH MCGREGOR  
ELEMENTARY SCHOOL

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# **English Language Arts**

## **Kindergarten Goals:**

In accordance with the National Common Core Curriculum, students will develop basic concepts of print and begin to engage in and experiment with reading and writing.

- Enjoy being read to and themselves retell simple narrative stories or informational texts
- Use descriptive language to explain and explore
- Recognize letters and letter-sound matches
- Show familiarity with rhyming and beginning sounds
- Understand left-to-right and top-to-bottom orientation and familiar concepts of print
- Match spoken words with written ones
- Begin to write letters of the alphabet and some high-frequency words

## **First Grade Goals:**

In accordance with the National Common Core Curriculum, students will begin to read simple stories and can write about a topic that is meaningful to them.

- Read and retell familiar stories
- Use strategies (rereading, predicting, questioning, contextualizing) when comprehension breaks down
- Use reading and writing for various purposes on their own initiative
- Orally read with reasonable fluency
- Use letter-sound associations, word parts, and context to identify new words
- Identify an increasing number of words by sight
- Sound out and represent all substantial sounds in spelling a word
- Write about topics that are personally meaningful
- Attempt to use some punctuation and capitalization

## **Second Grade Goals:**

In accordance with the National Common Core Curriculum, students will begin to read more fluently and write various text forms using simple and more complex sentences.

- Read with greater fluency
- Use strategies more efficiently (rereading, questioning, and so on) when comprehension breaks down
- Use word identification strategies with greater facility to unlock unknown words
- Identify an increasing number of words by sight
- Write about a range of topics to suit different audiences

- Use common letter patterns and critical features to spell words
- Punctuate simple sentences correctly and proofread their own work □ Spend time reading daily and use reading to research topics

### Third Grade Goals:

In accordance with the National Common Core Curriculum, students will continue to extend and refine their reading and writing to suit varying purposes and audiences.

- Read fluently and enjoy reading
- Use a range of strategies when drawing meaning from the text
- Use word identification strategies appropriately and automatically when encountering unknown words
- Recognize and discuss elements of different text structures
- Make critical connections between texts
- Write expressively in many different forms (stories, poems, reports)
- Use a rich variety of vocabulary and sentences appropriate to text forms
- Revise and edit their own writing during and after composing □ Spell words correctly in final writing drafts

### Fourth Grade Goals:

In accordance with the National Common Core Curriculum, students will understand what he/she is reading and being able to communicate ideas clearly. Students will be comprehending a wide range of written texts, from articles to poems. They will also learn to summarize what they have read and share it using supporting details, facts, and examples.

- Read with a higher level of fluency and expression.
- Utilize root words, prefixes, suffixes, and context clues to analyze unfamiliar words.
- Apply comprehension strategies to literary and expository texts.
- Identify and describe the theme of a story, as well as retell story elements with details.
- Formulate multiple paragraph pieces that focus on a specific purpose or audience.
- Write chronological pieces, pieces focusing on cause and effect and pieces that draw from personal experience.
- Spell frequently used words correctly.

### Fifth Grade Goals:

In accordance with the National Common Core Curriculum, students will build their knowledge and mastery on previously learned concepts. Students should be comfortable reading and answering questions on a wide variety of texts in a number of different themes and topics. In

addition, their writing skills should allow them to create concrete ideas complete with supporting details.

- Use pronouns in subjective and objective case
- Use reference material such as dictionaries, glossaries, and thesauruses
- Apply knowledge and information from texts to make inferences
- Decode words using prefixes and suffixes
- Identify and summarize the theme/main idea of a story

# **Math**

## **Kindergarten Goals:**

In accordance with the National Common Core Curriculum, students will become familiar with the basics and setting a solid foundation. Students will learn to count and recognize numbers, identify shapes and their attributes, add and subtract numbers, and complete patterns.

- Create, describe and compare 2-D and 3-D shapes
- Compare groups using the terms greater, less, fewer, more
- Use tally charts and picture graphs to represent numbers
- Recognize that larger numbers are made up of smaller numbers
- Order events in a sequence

## **First Grade Goals:**

In accordance with the National Common Core Curriculum, students will work with whole numbers and place value as they learn to add and subtract up through 20. They will develop number sense as they count and compare quantities, describe situations mathematically, and describe objects.

- Count to 100; count by 5s and 10s to 100; count by 2s to 40
- Represent numbers on a number line
- Add and subtract 2-digit numbers
- Write the date; tell time; read a calendar
- Count and create coin combinations; add and subtract money
- Identify, sort and classify 2-dimensional shapes
- Understanding the value of money

## **Second Grade Goals:**

In accordance with the National Common Core Curriculum, students will advance in their use of numbers and quantitative methods. Students will learn more about place value and explore basic fractions. They are introduced to "skip counting" as a way to prepare for learning multiplication. They will also learn about money, measurement, and how measures relate to one another.

- Reading and writing numerals to 100 and counting objects to 100 or more
- Addition and subtraction of two-digit numbers without regrouping, up to 100, using models and algorithms
- Exploring number patterns on a hundred chart and with a calculator
- Combining shapes to form other shapes and find geometric shapes in real-life situations

- Learning and comparing money values including the quarter (25 cents), half-dollar (50 cents), and dollar (100 cents)

### **Third Grade Goals:**

In accordance with the National Common Core Curriculum, students will acquire more advanced skills in mental math, but they will also learn how to explain the steps they used to solve a problem. They will work to master the multiplication tables and commit them to memory. They are also introduced to the basics of geometry and will solve math problems involving objects' area, perimeter, and volume.

- Adding four-digit numbers
- Subtracting with regrouping
- Rounding numbers to the nearest tens and hundreds
- Understanding two- and three-dimensional shapes
- Solving word problems that involve time, money, and measurement

### **Fourth Grade Goals:**

In accordance with the National Common Core Curriculum, students will have a strong handle on whole numbers and place value. Mental math becomes more important this year, so having the major multiplication facts committed to memory is critical. Fourth graders will be building their abilities to approach math problems from a variety of angles and using a variety of mathematical methods to solve problems.

- Addition and subtraction with regrouping
- Understanding place value
- Solving problems with decimal points
- Memorizing math facts with the help of fact families
- Creating a number sentence or equation from a word problem
- Finding perimeter and area of a shape by counting units
- Familiarity with both the traditional and metric systems

### **Fifth Grade Goals:**

In accordance with the National Common Core Curriculum, students will review all the foundational skills they've learned thus far in areas of numeration, addition and subtraction up to 6 digits, multiplication to 3 digits, division up to 3 digit divisors, decimals to the 10 thousandths place, measurement, fractions, geometry, percent's, probability, statistics and integers as they prepare for middle school.

- Rounding numbers to the nearest ten, hundred, thousand, ten thousand and hundred thousand

- Using partial products and mental multiplication
- Dividing with two-digit divisors
- Ordering and comparing fractions
- Comparing perimeter and area

## **Social Studies**

### **Kindergarten Goals:**

In accordance with the Michigan Department of Education and the K-5 Social Studies Content Expectations, students will become familiar with the basics and setting a solid foundation of myself and others. Kindergartners learn about the social studies disciplines (history, geography, civics and government, and economics) through the lens of "Myself and Others." Accordingly, each discipline focuses on developing rudimentary understandings through an integrated approach to the field.

### **First Grade Goals:**

In accordance with the Michigan Department of Education and the K-5 Social Studies Content Expectations, students will become familiar with the basics and setting a solid foundation families and schools. In first grade, students continue to explore the social studies disciplines of history, geography, civics and government, and economics through an integrated approach using the context of school and families. This is the students' first introduction to social institutions as they draw upon knowledge learned in kindergarten to develop more sophisticated understandings of each discipline.

### **Second Grade Goals:**

In accordance with the Michigan Department of Education and the K-5 Social Studies Content Expectations, students will become familiar with the basics and setting a solid foundation the local community. In second grade, students continue the integrative approach to social studies through the context of the local community. This the first time students are introduced to a social environment larger than their immediate surroundings and they draw upon knowledge learned in previous grades to develop more sophisticated understandings to explore the social studies disciplines of history, geography, civics and government, and economics.



### Third Grade Goals:

In accordance with the Michigan Department of Education and the K-5 Social Studies Content Expectations, students will become familiar with the basics and setting a solid foundation Michigan studies. Third grade students explore the social studies disciplines of history, geography, civics and government, and economics through the context of Michigan studies. Building on prior social studies knowledge and applying new concepts of each social studies discipline to the increasingly complex social environment of their state, the third grade content expectations help prepare students for more sophisticated studies of their country and world in later grades.

### Fourth Grade Goals:

In accordance with the Michigan Department of Education and the K-5 Social Studies Content Expectations, students will become familiar with the basics and setting a solid foundation United States studies. Using the context of the United States, fourth grade students learn significant social studies concepts within an increasingly complex social environment. They examine fundamental concepts in geography, civics and government, and economics through the lens of Michigan history and the United States.

### Fifth Grade Goals:

In accordance with the Michigan Department of Education and the K-5 Social Studies Content Expectations, students will become familiar with the basics and setting a solid foundation integrated United States history. The fifth grade social studies content expectations mark a departure from the social studies approach taken in previous grades. Building upon the geography, civics and government, and economics concepts of the United States mastered in fourth grade and historical inquiry from earlier grades, the fifth grade expectations begin a more disciplinary-centered approach concentrating on the early history of the United States. Students begin their study of American history with American Indian peoples before the arrival of European explorers and conclude with the adoption of the Bill of Rights in 1791. Although the content expectations are organized by historical era, they build upon students' understandings of the other social studies disciplines from earlier grades and require students to apply these concepts within the context of American history.

# **Science**

## **Kindergarten Goals:**

In accordance with the Michigan K-12 Standards and the Next Generation Science Standards (NGSS), students will become familiar with the basics and setting a solid foundation around the following science topics:

- Forces and Interactions: Pushes and Pulls
- Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment
- Weather and Climate
- Engineering Design

## **First Grade Goals:**

In accordance with the Michigan K-12 Standards and the Next Generation Science Standards (NGSS), students will become familiar with the basics and setting a solid foundation around the following science topics:

- Waves: Light and Sound
- Structure, Function, and Information Processing
- Space Systems: Patterns and Cycles
- Engineering Designs

## **Second Grade Goals:**

In accordance with the Michigan K-12 Standards and the Next Generation Science Standards (NGSS), students will become familiar with the basics and setting a solid foundation around the following science topics:

- Structure and Properties of Matter
- Interdependent Relationships in Ecosystems
- Earth's Systems: Processes that Shape the Earth
- Engineering Design

### Third Grade Goals:

In accordance with the Michigan K-12 Standards and the Next Generation Science Standards (NGSS), students will become familiar with the basics and setting a solid foundation around the following science topics:

- Forces and Interactions
- Interdependent Relationships in Ecosystems: Environmental Impacts on Organisms
- Inheritance and Variation of Traits: Life Cycles and Traits
- Weather and Climate
- Engineering Design

### Fourth Grade Goals:

In accordance with the Michigan K-12 Standards and the Next Generation Science Standards (NGSS), students will become familiar with the basics and setting a solid foundation around the following science topics:

- Energy
- Waves
- Structure, Function, and Information Processing
- Earth's Systems: Processes that Shape the Earth
- Engineering Design

### Fifth Grade Goals:

In accordance with the Michigan K-12 Standards and the Next Generation Science Standards (NGSS), students will become familiar with the basics and setting a solid foundation around the following science topics:

- Structure and Properties of Matter
- Matter and Energy in Organisms and Ecosystems
- Earth's Systems
- Space Systems: Stars and the Solar System
- Engineering Design

## Specials:

- Art
- Computer
- Music
- Physical Education
- 5<sup>th</sup> Grade Band