

SCIENCE, CONTINUED

Physical Science

- ✎ Recognize that all matter is made up of atoms.
- ✎ Identify forms of energy.
- ✎ Describe the properties of sound.
- ✎ Describe light from a light source in terms of its properties.

Earth and Space Science

- ✎ Describe the atmosphere.
- ✎ Describe and chart weather conditions and climates.
- ✎ Describe seasonal changes in weather.

SOCIAL STUDIES

Is there a Social Studies Program? Yes! Your child will study the State of Michigan—history, geography, civics, economics—through an exciting curriculum, going beyond the classroom, making connections to the world around us.

Fourth Grade students will continue their study of the following Core Democratic Values:

- ✎ Life—A person's right to life cannot be violated, except in certain extreme circumstances.
- ✎ Representative Government—The people have the right to elect others to represent their opinions and interests in government.

TECHNOLOGY

Do Fourth Grade students use computers? Yes! They use computers in their classrooms and in the computer labs. Software applications, appropriate for this age group, support language arts, math, science, social studies, and keyboarding.

ART, MUSIC, AND PHYSICAL EDUCATION

Are the arts, music, and physical education included in the core curriculum? Art, music, and physical education are included weekly in the curriculum. Each are aligned with state and national standards. Often, these areas of study are integrated in the regular classroom.

Working together will create the best opportunity for learning!



Statement of Compliance with Federal Law: The Cheboygan Area Schools complies with all Federal laws and regulations of the U. S. Department of Education. It is the policy of the Cheboygan Area School that no person on the basis of race, color, gender, age, religion, national origin or ancestry, marital status, disability, height, weight, and/or any other legally protected characteristic shall be discriminated against, or excluded from participation in, denied the benefit of, or otherwise be subjected to, discrimination in any program or activity to which it is responsible or for which it receives financial assistance from the U. S. Department of Education.

A parent's guide to . . .

Fourth Grade Curriculum



Cheboygan Area Schools

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Our Mission:

“Provide and teach all students the curriculum necessary to develop their knowledge base and learning skills to enable them to function as responsible and informed members of a changing society.”

ABOUT OUR CURRICULUM

Our program centers on high standards of achievement which are engaging and challenging to all learners. Quality teaching and learning of academic and behavioral goals exist for each student in a caring, friendly environment.

This guide will answer frequently asked questions about the **Fourth Grade Program**. For greater detail, please contact the Curriculum Director at the Board of Education Office or call your child's teacher or principal.

What do children learn in the English-Language Arts Program in Fourth Grade?

READING

- ✎ Recognize and understand the elements of a story.
- ✎ Read and recognize different kinds of text (poetry, fiction, drama, nonfiction, myths/legends, fantasy).
- ✎ Use many different strategies to construct meaning while reading, listening to, viewing, or creating text.
- ✎ Use a variety of strategies to recognize words and construct meaning by using phonics, syllabication, spelling patterns, and/or context clues.
- ✎ Read aloud with fluency and expression.
- ✎ Use reading for multiple purposes—enjoyment, gathering information, learning new procedures, understanding a concept.
- ✎ Read fluently, speak confidently, listen and interact appropriately, view knowledgeably, and represent text creatively with peers, teachers, and family members.
- ✎ Remember and use what is read for all subject areas.

WRITING

- ✎ Select and write fluently for the purposes of informing, persuading, entertaining, explaining, and comparing and contrasting.
- ✎ Use resources to gather information for writing.
- ✎ Begin to develop note-taking skills.
- ✎ Use multiple strategies to construct meaning—sentence structure, vocabulary skills, context clues, paragraph structure.
- ✎ Identify and use appropriate punctuation, grammar, spelling, and story sequencing to clarify and enhance writing.
- ✎ Use cursive handwriting and write neatly so that others can read it.
- ✎ Utilize the writing process and graphic organizers to write.

MATH

What do children learn in the Math Program in Fourth Grade?

Geometry and Measurement

- ✎ Identify, use, and describe distance in standard and metric form.
- ✎ Measure and use concepts of mass, liquid capacity, time, and temperature.
- ✎ Identify and use the relations of congruence, symmetry, similarity, and intersection for figures in one, two, and three-dimension.
- ✎ Use informal and formal coordinate systems on lines and planes to specify locations and distances.
- ✎ Recognize and use properties of shapes—equal sides, equal angles, right angles, rays, diameter, and radius.

Data Analysis and Probability

- ✎ Collect and organize data to construct tables and graphs.
- ✎ Solve problems using data presented in tables and graphs.
- ✎ Order a given set of data, find the median, and specify the range.

Number and Operations

- ✎ Read, write, and recognize place value to 1,000,000.
- ✎ Solve applied problems involving addition, subtraction, multiplication, and division for fractions, decimals, and whole numbers.
- ✎ Compare and order decimals.
- ✎ Add and subtract fractions and decimals.

Algebra

- ✎ Recognize and use the concept of a variable in expressions ($\square \times 3 = 6$) using +, −, \times , or \div .
- ✎ Make an organized list or table to solve a problem.
- ✎ Use a calculator to multiply, divide, add, and subtract.

SCIENCE

What will my child learn in the Science Program in Fourth Grade?

The Fourth Grade Science Curriculum focuses on three broad areas of science: Life Science, Earth and Space Science, and Physical Science.

Life Science

- ✎ Describe cells as living systems.
- ✎ Explain how physical and/or behavioral characteristics of organisms help them to survive in their environments.
- ✎ Explain how fossils provide evidence about the nature of ancient life.