



READING Literature & Informational Text

Students will:

- Read for key ideas and details
- Understand the craft and structure of text
- Integrate their knowledge and ideas
- Read and comprehend literature and informational text of appropriate complexity for 4th grade

READING Foundational Skills

Students will:

- Know and apply grade-level phonics and word analysis in decoding words
- Read with sufficient accuracy and fluency to support comprehension
- Determine the meaning of grade appropriate vocabulary

WRITING

Students are evaluated based on narrative, informative/explanatory, and opinion pieces completed throughout the year and across the curriculum.

Students will:

- Write clearly, focused on a topic with relevant supporting details
- Use a logical sequence with consistent use of transitional strategies
- Use effective word choice and sentence variety
- Use appropriate grammar, usage, spelling, capitalization, and punctuation

SPEAKING AND LISTENING

Students will:

- Engage effectively in a range of collaborative discussions building on other's ideas and expressing their own clearly
- Summarize texts read aloud or information presented in diverse media formats
- Use knowledge of language and its conventions when speaking and listening

Please see the back for a list of excellent fourth grade books and online resources.

Popular 4th Grade Books

"The more that you read, the more things you will know. The more that you learn, the more places you'll go."
— Dr. Seuss

Bud, Not Buddy by Christopher Paul Curtis

The Lightning Thief by Rick Riordan

Shiloh by Phyllis Reynolds Naylor

James and the Giant Peach by Roald Dahl

Tales of a Fourth Grade Nothing by Judy Blume

The Underneath by Kathi Appelt

American Chillers series by Jonathan Rand

I Survived ... series

by Lauren Tarshis (I Survived the Joplin Tornado)

Who Was series by various authors (Who Was Rosa Parks? Who is Bill Gates? What is the Super Bowl? What was the Lewis and Clark Expedition?)

<https://www.goodreads.com/shelf/show/4th-grade-reading-list>

Clinton Macomb Public Library:

All CVS students have access to the Clinton Macomb Public Library's online resources! You can download e-books, use research links and access great educational websites like <http://kids.mel.org/>

Visit www.cmpl.org and enter your student's Chippewa Valley ID number as the username and the last 4 digits of your phone number as the password.



4th Grade PARENT GUIDE

Language Arts
Mathematics
Science
Social Studies



Welcome to Chippewa Valley Schools!

Our Mission

Inspiring and empowering learners to achieve a lifetime of success

Our Vision

Setting the standard for educational excellence

Science



Science is a way of understanding the world and a pattern of thinking that begins in the very early years. Students will continue developing science and engineering skills by learning to ask questions, using models, planning and carrying out investigations, and analyzing data. Students will be encouraged to obtain, evaluate and communicate their findings both orally and in writing as they make claims, find evidence, and support this with scientific reasoning.

Energy: Heat, Electricity, and Magnetism

Students will:

- Demonstrate how heat energy is produced through friction/electric current, identify insulators/conductors, and show how adding/removing heat changes the temperature of an object
- Demonstrate the parts of an electric circuit and the path of electricity, and identify conductors and insulators
- Demonstrate the strength of magnets, their magnetic forces and magnetic fields
- Model the magnetic field created by an electric current

Properties and Changes in Matter

Students will:

- Use graduated cylinders/measuring cups, spring scales, and balances to measure volume (L, mL), weight, and mass (g, kg)
- Compare/contrast the three states of matter, and model how heating/cooling an object changes its state

Relationships and Requirements of Living Things

Students will:

- Construct food webs and food chains for Michigan ecosystems, identify the roles of the organisms, and explain the flow of energy
- Describe the requirements for survival and reproduction of various plants and animals
- Explain how fossils are used as evidence of how plants and animals have changed

Sun, Moon, and Earth

Students will:

- Compare/contrast the characteristics of the sun, moon, and Earth, including relative distance, size, and ability to support life
- Demonstrate how the Earth's rotation creates day/night, and its revolution creates a year
- Explain predictable patterns: moon phases and the sun's movement across the sky

The way science is approached might seem different than what you remember. You can help your child by encouraging your child to talk about the "I can..." statement used in the classroom.

Mathematics



This year we are using Bridges in Mathematics, a K–5 math program that will help us meet the new standards and make math meaningful and exciting. In fourth grade, students focus on multiplication and division with multi-digit numbers, fractions, and geometry.

Throughout the year, students will:

- Find factors and multiples of different numbers
- Compare fractions and break fractions into smaller parts
- Compare decimal numbers and find decimal and fraction equivalents
- Develop efficient strategies for multiplying and dividing multi-digit numbers
- Calculate area and volume
- Measure and draw angles using protractors

When you are helping your child, the math might sometimes seem unfamiliar or different than you remember, but there are many ways you can help!

- Invite your child to talk about the math by asking questions like, "Did you do a problem like this at school? How did you think about it?"
- Focus on the pictures. Bridges uses visual models to make the mathematics accessible to all learners. Talking about the pictures is a great way to get started.
- Ask questions like, "What do you notice about this picture? Where do you see the numbers in this picture? Can we use the picture to help solve the problem?"

| Base Ten Model | Decimal | Fraction |
|----------------|---------|-----------------------------------|
| | 0.25 | $\frac{25}{100}$ or $\frac{1}{4}$ |

Get more information and ideas about how to help your child by visiting the CVS website:
<http://www.chippewavalleyschools.org/academics/elementary-math---bridges/>

Social Studies



Geography

Students will:

- Utilize geographic tools and maps to understand regions of the U.S.
- Describe ways the U.S. can be divided into different regions
- Describe the impact of immigration and migration on the cultural development of the U.S.
- Explain how human actions influence the environment

Economics

Students will:

- Understand principles and concepts of a market, national, and global economy
- Describe economic decisions and their effects

History

Students will:

- Investigate Michigan's major economic activities
- Explain the effects of migration and immigration to Michigan
- Describe the relationship between natural resources and the location of industries and cities
- Create timelines for Michigan history

Civics & Government

Students will:

- Analyze the organization and the purpose of government
- Compare and contrast powers granted to the federal and state governments
- Describe the organizational structure of the federal government
- Explain the responsibilities of citizenship

Public Discourse, Decision Making, & Citizen Involvement

Students will:

- Identify public issues in the United States that influence the daily lives of its citizens
- Participate in projects to help or inform others

Literacy in Social Studies

Students will:

- Determine the meaning of vocabulary
- Distinguish between primary and secondary sources
- Construct informative and argumentative essays