

Dear Students and Parents,

We are looking forward to a school year filled with excitement, independence and rigor. We are eager to meet all of our new students this coming school year.

There will be many opportunities for independence and collaboration throughout all parts of the 4th grade curriculum that will be infused with technology and student led discussions. We communicate often using tools such as BAND and Class Dojo.

We look forward to having a memorable and productive year with your child in our classes. Parental involvement on many different levels is essential to success in 4th grade. Working as a team is the #1 way to have a successful year.

We can't wait to see all the pictures of your well-deserved summer break! See you in August.

Sincerely,

The Fourth Grade Team



Mathematic Standards

3rd Grade Review

Number and Operations in Base Ten

- Addition, Subtraction, Multiplication, and Division Basic Facts
- Place Value Chart
- Subtract with Regrouping
- Add with Regrouping
- Multiply (32×5)
- Word Problems (All Operations)

Number and Operations – Fractions

- Shaded vs. Unshaded Areas
- Add and Subtract simple fractions with the same denominator
- Fraction Equivalence
- Mixed Numbers

Operations and Algebraic Thinking

- Commutative Properties
- Associate Properties
- Distributive Properties

Geometry

- Lines and angles
- 2D Shapes
- Congruent and symmetrical figures
- Coordinate grid

Measurement and Data

- Clock
- Temperature
- Line Plots, Bar Graphs, Pictographs, and Line Graphs
- Perimeter and Area
- Measuring with a ruler
- Range, Mean, Median, Mode
- Recognition of Money
- Calendar

4th Grade Preview

Number and Operations in Base Ten

- Place Value Chart up to thousandths
- Add and Subtract up to millions
- Multiply a 4-digit number by a 2-digit number (Ex. 4398×32)
- Divide a 4-digit number by a 2-digit divisor (Ex. $2984/23$)
- Solve Multi-Step Word Problems.

Number and Operations – Fractions

- Add, Subtract, Multiply and Divide Fractions
- Add and Subtract Mixed Numbers
- Solve Multi-Step Word Problems

Operations and Algebraic Thinking

- Solve Algebraic Expressions and Equations
- Use of Commutative, Associate, and Distributive Properties to Solve Problems

Geometry

- Identify parallel, perpendicular, and intersecting angles in a complex figure.
- Identify right, obtuse, acute, and straight angles in a complex figure.
- Classify Triangles and 3D Shapes

Measurement and Data

- Customary and metric conversions
- Perimeter and Area of complex figures
- Solve Multi-Step Word Problems

**By the end of 3rd grade, students should read and comprehend literature and informational text at the high end of the 2nd and 3rd grade text complexity band independently. Students should demonstrate the understanding of a text by referring explicitly to the text as the basis for the answers.*

3rd Grade Review

Key Ideas and Details: Literature & Informational Text

- Summarizes main events of a story.
- Determines central message, lesson, or moral and explains how its conveyed through key details in text.
- Describes characters in stories by traits, motivation, or feelings.
- Determines between fact and opinion
- Summarizes the main ideas using evidence from the text.
- Determines main idea of text, recounts key details and explains how they support the main idea.
- Describes the relationship between a series of historical events, scientific ideas, and technical texts.
- Sequencing and cause and effect relationships.
- Compares and contrasts key details presented in two texts on the same topic

Craft and Structure: Literature & Informational Text

- Determines the meanings of words and phrases as they are used in text.
- Distinguishes between fiction and non-fiction
- Point of view of characters and narrator
- Author's Purpose
- Uses text features to locate information efficiently. (key words, sidebars, hyperlinks)
- Distinguishes between own point of view and the author's point of view
- Begins to recognize author's purpose

Integration of Knowledge and Ideas: Literature & Informational Text

- Compares and contrasts themes, settings, and plots.
- Compare and contrast the most important points and key details presented in two texts on the same topic.
- Make connections between the illustrations and words in a text.

**By the end of 4th grade, students should read and comprehend literature and informational text at the high end of the 4th and 5th grade text complexity band proficiently and with some scaffolding on the higher end. Students should demonstrate the understanding of a text by referring explicitly to the text as the basis for the answers.*

4th Grade Preview

Key Ideas and Details: Literature & Informational Text

- Refers to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.
- Determines the theme of a story, drama, or poem from details in the text.
- Summarizes the text.
- Describes characters thoughts, words, and actions.
- Makes connections with characters and events in literary words and real life.
- Determines the main idea of a text and explains how it is supported by key details.

Craft and Structure: Literature & Informational Text

- Refers to structural elements of poems and drama.
- Compare and contrast point of view.
- Compare and contrast themes.
- Explains events, procedures, ideas, or concepts in a historical, scientific, and technical text.
- Interprets information presented visually, orally, and quantitatively.
- Determines the meanings of words and phrases as they are used in text.
- Distinguishes between fiction and non-fiction
- Describes overall structure: (chronology, comparison, cause/effect, problem/solution)
- Compares and Contrasts 1st and 2nd hand accounts on the same event

Integration of Knowledge and Ideas: Literature & Informational Text

- Compares and contrasts similar themes and patterns of events in stories, myths, and literature.
- Make connections between the text of the story or drama and a visual or oral presentation of the text.

Suggested Summer Websites

<https://www.adaptedmind.com/index.php>
Math and Reading resources and games.

<https://www.commoncoresheets.com/>
Math worksheets by grade level or topic.

<https://www.getepic.com/>
Digital Books, Games, and Videos

<https://www.prodigygame.com/>
Grades 1-8 Worldwide Math Game

<https://www.ixl.com/>
Math, Language Arts, Science and Social Studies interactive lessons.

<https://www.internet4classrooms.com/skills-4th-mathbuilders.htm>
Math Skills by grade level.

<https://www.internet4classrooms.com/skills-4th-langbuilders.htm>
Language Skills by grade level.

www.exploratorium.edu
Explore hundreds of different topics on one of the world's first online science museums.

www.funbrain.com
Play many online, interactive games in all subject areas

www.nationalgeographic.com/kids
Fun videos, activities, games and stories

<http://code.org>
Learn the basic concepts of Computer Science with drag and drop programming. This is a game-like, self-directed tutorial starring video lectures by Bill Gates, Mark Zuckerberg, Angry Birds and Plants vs. Zombies. Learn repeat-loops, conditionals, and basic algorithms.

<https://www.factmonster.com/math/>
Math games, flashcards, and tables.

Summer Reading Recommendations

Absolutely Almost by Lisa Graff (750 Lexile)

Have you ever felt like you could never do anything right? And you spend most of your life trying to figure out what you're good at? Albie spends most of his time wondering just that. His new babysitter, Calista, opens up a world of adventures teaching him new skills and sometimes getting him in trouble.

All Four Stars by Tara Dairman (950 Lexile)

Gladys has been cooking gourmet dishes since the age of seven, just don't tell her microwave-loving parents! After a small accident involving the crème brûlée, Gladys is cut off from the kitchen. But when Gladys is mistakenly offered an opportunity to write for a major newspaper as a food writer in New York City, she sets off to live her dream and keep her true identity a secret. Just, still don't tell her parents!

Circus Mirandus by Cassie Beasley (710 Lexile)

Micah's grandfather, Ephraim, has always shared stories with him about Circus Mirandus, a magical circus. As his grandfather is dying, Micah realizes the stories are true. Can the magic of the mysterious circus save his grandfather from dying? Micah is determined to find out.

Dinosaur Boy by Cory Putman Oakes (730 Lexile)

The summer before he begins fifth grade, Sawyer sprouts a tail with spikes. As a result, he is bullied in school. When the bullies begin to disappear, Sawyer, his best friend Elliot, and the new girl in school know they need to get to the bottom of the mystery before it is too late.

Eddie Red Undercover: Mystery on Museum Mile by Marcia Wells (710 Lexile)

Sixth-grader Edmund Xavier Lonrot code-name "Eddie Red," has a photographic memory and a talent for drawing anything he sees. When the NYPD is stumped by a mastermind art thief, Eddie becomes their secret weapon, drawing Eddie deeper into New York's famous Museum Mile. Can Eddie help catch the thieves in time, or will his first big case be his last?

Fish Finelli: Seagulls Don't Eat Pickles by E.S. Farber (680 Lexile)

When the town bully bets nine-year-old Norman "Fish" Finelli that he can't find Captain Kidd's famous treasure, Fish and his friends embark on a quest to discover the pirate's buried wooden trunk of lost booty.

Fish in a Tree by Lynda Mullaly Hunt (550 Lexile)

Ally uses her strengths in math and art, along with some behavior distractions, to help her get through school. When a new teacher discovers Ally's dyslexia, he builds up Ally's confidence, as well as her ability to read, maybe for the first time ever. With the help of her new friends, Ally learns that it is not always about fitting in, but about what it means to find a place that fits.

Half a Chance by Cynthia Lord (690 Lexile)

Lucy's family moves to a small, lakeside community in New Hampshire. She and her new friend Nate secretly plan to spend the summer taking photos for a contest which her professional photographer father will be judging. To their surprise, they learn that photos can sometimes show more than people want to see.

The Pet War by Allen Woodrow (590 Lexile)

Eleven-year-old Otto's desire for a dog turns into sibling rivalry when his older sister, Lexi, claims she wants a cat. Their mother wants neither. The competition is on after their mother gives them a challenge: whomever can earn \$500 in a month will get the pet of his or her choice. As the competition gets fiercer, the stakes get higher. Let the Pet War begin!

Prairie Evers by Ellen Airgood (790 Lexile)

Prairie Evers has been home-schooled her whole life. After a move up north with her family, Prairie finds herself going to public school for the very first time. Prairie discovers that between raising chickens and nurturing a brand-new friendship with a girl her age, school and life in upstate New York aren't quite as bad as she anticipated.

Serafina's Promise by Ann Burg (590 Lexile)

Eleven-year-old Serafina's life in Haiti is filled with chores and struggle. But she dreams of going to school and becoming a doctor. She is still mourning the death of her baby brother when she learns her Manman is about to have another baby. Just as her dreams may come true, her family faces natural disasters and separation. This novel, written in verse, weaves a story of Haitian history, culture, and one girl's determination to help her family and achieve her dreams.

The Terrible Two by Mac Barnett and Jory John (620 Lexile)

Miles moves to quiet Yawnee Valley with plans to make mischief, but he is quickly involved in a battle to be the best prankster in town. This book is full of many pranks and 1,346 interesting facts about cows!

The Worm Whisperer by Betty Hicks (560 Lexile)

Fifth grader Ellis Coffey wants to win the annual Woolly Worm Race, because the prize is \$1,000, and his father needs just that amount to pay for his back surgery. To win, he must befriend and train a worm to be the fastest in the race. But will it be enough?

Common Sense Media is a great tool for getting more information on books, apps, tv shows, and movies. You can quickly see age recommendations with detailed explanations.

<https://www.commonensemedia.org>

Lexile measures help you find reading materials at your child's unique reading level. With Lexile measures parents can ensure their children are comprehending what they are reading.

<https://lexile.com/parents-students/>

4th Grade Supply List

2019-2020

- 7 Composition Books Wide Ruled (one labeled Science, one labeled PE, others blank)
- 1 Composition Book (Graph Paper)
- 4 Highlighters (pink, blue, yellow, orange)
- 1 box 24 Crayola crayons
- 1 - "7 inch" Fiskars Scissors
- 1 Paper Atlas
- 1 pack of 12 Crayola colored pencils
- 6 Jumbo Elmer's glue sticks
- 1 pack of Crayola markers (Thick)
- 5 Boxes Ticonderoga #2 Pencils (one will be given to specialists)
- 1 Box Kleenex Tissue
- 4-Black Expo Markers (Chisel Tip)
- 2 boxes of plastic quart size bags* (one will be given to specialists)
- 1 pack of blue ball point pens
- 1 box of plastic gallon size bags (Girls Only)
- 1 box of plastic snack size bags (Boys Only)
- 1 box of baby wipes (unscented)
- 2 containers of Lysol Wipes
- 1 bottle of Hand Sanitizer
- 1 pair of (over-the-ear headphones) **(NOT EARBUDS)**
- 1 pair of earbud headphones (in a labeled Ziploc bag for music)
- 1 inch Black Binder with Clear View Pocket in front. (for specialists)
- 8 Plastic 3-Hole Punch Pocket Folders **(NO PRONGS)**
- *2 Red, 1 Black, 1 Purple, 1 Green, 1 Yellow, 1 Orange, 1 Blue*
- 1 inch White Binder with Clear View Pocket in front. (Class Binder)
- 1 roll of scotch tape
- 1 labeled rain poncho
- 1 Back Pack **(NO ROLLING BACKPACKS)**

