

5th Grade Essential Outcomes

5th Grade Math

What do we want our students to know and be able to do?
(i.e. skills, concepts, big idea statements, essential questions)

Biggest Ideas

- Volume
- Multiply and divide fractions (focus on conceptual understanding)

Not-Quite-as-Big (but still important to give some experience with)

- Coordinate planes
- 2D shapes
- Adding and subtracting fractions (review)

Incorporate: [Standards for Mathematical Practice](#)

Standards Covered

5.MD.C - Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition

5.NF.B - Apply and extend previous understandings of multiplication and division to multiply and divide fractions

5.G.A - Graph points on the coordinate plane to solve real-world and mathematical problems

5.G.B - Classify two-dimensional figures into categories based on their properties

5.NF.B - Use equivalent fractions as a strategy to add and subtract fractions

5th Grade Science

What do we want our students to know and be able to do?
(i.e. skills, concepts, big idea statements, essential questions)

Scientific Investigations and Scientific Processes

- Question
- Hypothesis
- Variables
- Data Collection - Trials and Averages
- Data Table
- Conclusion

Standards Covered

Fifth Grade: In the fifth grade performance expectations, students are expected to demonstrate grade-appropriate proficiency in developing and using models, planning and carrying out investigations, analyzing and interpreting data, using mathematics and computational thinking, engaging in argument from evidence, and obtaining, evaluating, and communicating information; and to use these practices to demonstrate understanding of the core ideas.

3-5-ETS1-3. Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.

5-PS1-2. Measure and graph quantities to provide evidence

5-PS1-3. Make observations and measurements

5-PS1-4. Conduct an investigation

5th Grade Reading

What do we want our students to know and be able to do?
(i.e. skills, concepts, big idea statements, essential questions)

Summarize (Literature and Informational)

Inferring & supporting with evidence from the text

Theme/Author's Purpose and/or Author's Message using text-evidence

Main idea & Supporting Details

Identify key details from the text

Read with sufficient Accuracy & Fluency to Support Comprehension/Read for Enjoyment

Standards Covered

RI.5.1 - Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.

RI.5.2 - Determine two or more main ideas of a text and explain how they are supported by key details; summarize the text.

RL.5.1 - Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.

RL.5.2 - Determine a theme of a story, drama, or poem from details in the text, including how characters in a story or drama respond to challenges or how the speaker in a poem reflects upon a topic; summarize the text.

RF.5.4 - Read with sufficient accuracy and fluency to support comprehension.

5th Grade Writing/Language

What do we want our students to know and be able to do?
(i.e. skills, concepts, big idea statements, essential questions)

We want our students to be able to write a document which reflects the writing process and demonstrates elements (correct grammar, punctuation, and spelling) of good writing.

Standards Covered

W.5.1 - Write opinion pieces on topics or texts, supporting a point of view with reasons and information.

W.5.4 - Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience. (Grade-specific expectations for writing types are defined in standards 1-3 above.)

W.5.5 - With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach. (Editing for conventions should demonstrate command of Language standards 1-3 up to and including grade 5 [here](#).)

W.5.6 - With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of two pages in a single sitting.

W.5.7 - Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.

W.5.8 - Recall relevant information from experiences or gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work, and provide a list of sources.

W.5.10 - Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.

L.5.1 - Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.

L.5.2 - Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

L.5.3 - Use knowledge of language and its conventions when writing, speaking, reading, or listening.

L.5.5 - Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.

L.5.6 - Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases, including those that signal contrast, addition, and other logical relationships (e.g., *however*, *although*, *nevertheless*, *similarly*, *moreover*, *in addition*).

SL.5.1 - Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on *grade 5 topics and texts*, building on others' ideas and expressing

their own clearly.

SL.5.2 - Summarize a written text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.

SL.5.3 - Summarize the points a speaker makes and explain how each claim is supported by reasons and evidence.

SL.5.4 - Report on a topic or text or present an opinion, sequencing ideas logically and using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace.

SL.5.6 - Adapt speech to a variety of contexts and tasks, using formal English when appropriate to task and situation. (See grade 5 Language standards 1 and 3 [here](#) for specific expectations.)