



5th Grade Essential Standards

Quarter 1

ELA:

- 5.R.2.A.b - Read, infer, analyze and draw conclusions using fiction texts including poetry and drama. b. Explain the theme or moral lesson, conflict, and resolution in a story or novel
- 5.R.2.A.b - Read, infer, analyze and draw conclusions using fiction texts including poetry and drama. b. Explain the theme or moral lesson

Math:

- 5.NF.A.3 – Compare and order fractions and/or decimals to the thousandths place using the symbols $>$, $=$ or $<$, and justify the solution (compare fractions to fractions, decimals to decimals, and decimals to fractions; e.g., by using benchmarks, number lines, manipulatives or drawings).
- 5.NF.B.4 – Estimate results of sums, differences and products with fractions and with decimals to thousandths, including numbers greater than one.
- 5.GM.B.4 – Understand and compute volume.
 - a. Describe a cube with edge length 1 unit as a “unit cube” and is said to have “one cubic unit” of volume and can be used to measure volume.
 - b. Understand that the volume of a right rectangular prism can be found by stacking multiple layers of the base.

Science:

- 5.ETS1.C.1: 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.

Quarter 2

ELA:

- 5.R.1.A.b - Develop and demonstrate comprehension-reading skills in response to texts. - b. Drawing conclusions by providing textual evidence of what the text says explicitly as well as inferences drawn from the text
- 5.R.1.B.a - Develop an understanding of vocabulary - a. Determining the meaning of academic English words derived from Latin, Greek, or other linguistic root words and their prefixes and suffixes through context
- 5.R.2.A.b - Read, infer, analyze and draw conclusions using fiction texts including poetry and drama. - b. Explain the theme or moral lesson, conflict, and resolution in a story or novel
- 5.R.3.C.e - Read, infer and draw conclusions using text structures in nonfiction texts. - e. Integrate information from several texts on the same topic in order to write or speak about the subject knowledgeably
- 5.W.1.C.a - Reread, revise and edit drafts with assistance to: a. - develop and strengthen writing by revising: main idea, sequence (ideas), focus, organizational structure, details/facts (from multiple sources, when appropriate), word choice (related to the topic), sentence structure, transitions, audience and purpose, voice

Math:

- 5.RA.C.5 – Solve and justify multi-step problems involving variables, whole numbers, fractions and decimals (exclude division of fractions by fractions). Use estimation to assess the reasonableness of answers.

Science:

- 5.PS1.A.1: Develop a model to describe that matter is made of particles too small to be seen.
- 5.PS2.B.1: Support an argument that the gravitational force exerted by Earth on objects is directed toward the planet's center.



5th Grade Essential Standards

Quarter 3

ELA:

- 5.R.1.A.b - Develop and demonstrate comprehension-reading skills in response to texts. - b. Drawing conclusions by providing textual evidence of what the text says explicitly as well as inferences drawn from the text
- 5.R.1.B.a - Develop an understanding of vocabulary - a. Determining the meaning of academic English words derived from Latin, Greek, or other linguistic root words and their prefixes and suffixes through context
- 5.R.3.C.e - Read, infer and draw conclusions using text structures in nonfiction texts. - e. Integrate information from several texts on the same topic in order to write or speak about the subject knowledgeably.
- 5.W.1.C.a - Reread, revise and edit drafts with assistance to: a. - develop and strengthen writing by revising: main idea, sequence (ideas), focus, organizational structure, details/facts (from multiple sources, when appropriate), word choice (related to the topic), sentence structure, transitions, audience and purpose, voice

Math:

- 5.NF.B.6 – Solve problems using an appropriate strategy involving addition and subtraction of fractions and mixed numbers with unlike denominators, (including mixed numbers) and justify the solution.
- 5.NF.B.7 – Extend the concept of multiplication to multiply a fraction or whole number by a fraction.
 - a. Recognize the relationship between multiplying fractions and finding the areas of rectangles with fractional side lengths.
 - b. Calculate and interpret the product of a fraction by a whole number and a whole number by a fraction.
 - c. Calculate and interpret the product of two fractions less than one.
- 5.RA.C.5 – Solve and justify multi-step problems involving variables, whole numbers, fractions and decimals (exclude division of fractions by fractions). Use estimation to assess the reasonableness of answers.

Science:

- 5.ESS2.A.1: Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact.
- 5.ESS3.C.1 Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment.

Quarter 4

ELA:

- 5.R.1.A.b - Develop and demonstrate comprehension-reading skills in response to texts. - b. Drawing conclusions by providing textual evidence of what the text says explicitly as well as inferences drawn from the text
- 5.R.2.A.b - Read, infer, analyze and draw conclusions using fiction texts including poetry and drama. - b. Explain the theme or moral lesson, conflict, and resolution in a story or novel
- 5.W.1.B.c - Appropriate to genre, type develop a draft from prewriting by: c. categorizing, organizing, and sequencing facts, details, and/or events (from sources when appropriate) into clear introductory, supporting, and concluding paragraphs applicable to the organizational structure
- 5.R.3.C.e - Read, infer and draw conclusions using text structures in nonfiction texts. - e. Integrate information from several texts on the same topic in order to write or speak about the subject knowledgeably.



RAYTOWN
QUALITY
SCHOOLS
Expect the Exceptional

5th Grade Essential Standards

Quarter 4 Cont.

Math:

- 5.NF.B.8 – Extend the concept of division to divide unit fractions and whole numbers by using visual fraction models and equations.
 - a. Calculate and interpret the quotient of a unit fraction by a non-zero whole number.
 - b. Calculate and interpret the quotient of a whole number by a unit fraction.
- 5.RA.A.1 – Investigate the relationship between two numeric patterns.
 - a. Generate two numeric patterns given two rules.
 - b. Translate two numeric patterns into two sets of ordered pairs.
 - c. Graph numeric patterns on the Cartesian coordinate plane.
 - d. Identify the relationship between two numeric patterns.
- 5.GM.C.6 – Define a first quadrant Cartesian coordinate system.
 - a. Represent the axes as scaled perpendicular number lines that both intersect at 0, the origin.
 - b. Identify any point on the Cartesian coordinate plane by its ordered pair coordinates.
 - c. Define the first number in an ordered pair as the horizontal distance from the origin.
 - d. Define the second number in an ordered pair as the vertical distance from the origin.
- 5.GM.D.9 – Solve multi-step problems that require measurement conversions (length, capacity, and weight).

Science:

- 5.LS1.C.1: Support an argument that plants get the materials (i.e. carbon dioxide, water, sunlight) they need for growth chiefly from air and water.
- 5.PS3.D.1: Use models to describe that energy stored in food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the sun.