Learning Outcomes Grade 5
February 2020

Math: Standards:

- 5. NF.B.7a Interpret division of a unit fraction by a non-zero whole number, and compute such quotients. For example, create a story context for (1/3) / 4, and use a visual fraction model to show the quotient. Use the relationship between multiplication and division to explain that (1/3) / 4 equals 1/12 because (1/12) x 4 = 1/3.

- 5.NF.B.7b Interpret division of a whole number by a unit fraction, and compute such quotients. For example, create a story context for 4 / (1/5), and usual a visual fraction model to show the quotient. Use the relationship between multiplication and division to explain 4 / (1/5) equals 20 because 20 x (1/5) equals 4.
- 5.NF.B.7c Solve real world problems involving division unit fractions by non-zero whole numbers and division of whole numbers by unit fractions, e.g., by using visual fraction models to represent the problem. For example, how much chocolate will each person get when each person shares a ½ pound of chocolate equally? How many 1/3 cup servings are in 2 cups of raisins?
- 5.MD.C.3.a A cube with side length 1 unit, called a "unit cube," is said to have "one cubic unit" of volume, and can be used to measure volume.
- 5.MD.C.3.b A solid figure which can be packed without gaps or overlaps using n unit cubes is said to have a volume of n cubic units.
- 5.MD.C.4 Measure volumes by counting unit cubes, using cubic cm, cubic in, cubic ft, and improvised units.
- 5.MD.C.5a Find the volume of a right rectangular prism with whole-number side lengths by packing it with unit cubes, and show that the volume is the same as would be found by multiplying the edge lengths, equivalently by multiplying the height by the area of the base. Represent threefold whole-number products as volumes, e.g., to represent the associative property of multiplication.
- 5.MD.C.5b Apply the formulas $V = l \times w \times h$ and $V = b \times h$ for rectangular prisms to find volumes of right rectangular prisms with whole-number edge lengths in the context of solving real world and mathematical problems.
- 5.MD.C.5c Recognize volume as additive. Find volumes of solid figures composed of two non-overlapping right rectangular prisms by adding the volumes of the non-overlapping parts, applying this technique to solve real world problems.

Reading: Standards:

- **Literature Standards:**
  5R5 In literary texts, explain how a series of chapters, scenes, or stanzas fits together to determine the overall structure of a story, drama, or poem.
  5R6 In literary texts, explain how a narrator's or speaker's point of view influences how events are described.

- **Informational Standard:** 5R6 In informational texts, analyze multiple accounts of the same event or topic, noting important similarities and differences in the point of view they represent.

Writing:
5W2 Write informative/explanatory texts to explore a topic and covey ideas and information relevant to the subject.

5W5 Draw evidence from literary or informational texts to support analysis, reflection, and research by applying the Grade 5 Reading Standards.

Academic Vocabulary:
Accurate, Critique, Claim

Social Studies: Standards:
5.5 Across time and place, the people of the Western Hemisphere have held differing beliefs regarding power, authority, governance, and law resulting in dynamic periods of colonial rule, revolutions, and state building.

5R6 In informational texts, compare and contrast the overall structure in two or more texts using terms such as sequence, comparison, cause/effect, and problem/solution.

Science:
- Choosing healthful foods for a balanced diet.

Science Lab:
- Conduct and design an experiment to test a hypothesis
- Formulate questions
- Identify relationships among variables

Technology with Miss Rappo
- **CCSS.ELA-Literacy. W.5.6**
With 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.

Physical Education
- Standard 1 - Personal Health and Fitness
- Standard 2 - A Safe and Healthy Environment
- Standard 3 - Resource Management

Music
- Students apply understanding of elements of music through performance activities.
- Students build and apply vocal and instrumental (percussion) technique.
- Students identify music in elements, notation, vocabulary, genre and style.