

Learning Outcomes for Grade 5
October 2019

Math: Standards:

- 5.NBT.A.2 Explain patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10.
- 5.NBT.B.5 Fluently multiply multi-digit whole numbers using the standard algorithm.
- 5.NBT.B.7 Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.

Reading: Standards:

- 5R1 Locate and refer to relevant details and evidence when explaining what a text says explicitly/implicitly and make logical inferences.

Writing:

- 5W1 Write an argument to support claims with clear reasons and relevant evidence.

Academic Vocabulary:

- Theme, Revise, Literature, Debate

Social Studies: Standards:

- 5.2 .The physical environment and natural resources in North and South America encouraged development of the first human settlements and cultural systems by Native Americans
- 5R1 Locate and refer to relevant details and evidence when explaining what a text says explicitly/implicitly and make logical inferences.

Science:

- Identify the steps in the scientific method.
- Learn how scientists formulate and test a hypothesis.
- Understand how to collect, organize, and communicate data appropriately.
- Explain how to stay safe while conducting a scientific investigation.
- Describe some properties of matter that can be observed, described and measured.
- Measure properties of matter using tools, such as gram spring scales, metric rulers, metric balances, and Celsius thermometers.

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

Science Lab

- Identify questions and formulate hypothesis; design and conduct scientific investigations to answer those questions.
- Formulate questions of scientific inquiry with the aid of references appropriate for guiding the search for explanations of everyday observations.
- Use data to construct reasonable explanations.
- Evaluate your hypothesis in light of the data.
- Develop and communicate explanations using evidence
- Collect quantitative and qualitative data

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.