Implementation of Common Core Standards

MATH

CCSS.Math.Content.5.OA.A.2
Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them. In addition to doing this standard with the decimal system, students will write and read expressions in at least 2 other base systems.

CCSS.Math.Content.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. This concept will be explored as students develop a better understanding of place value in multiple base systems.

English Language Arts

CCSS.ELA-Literacy.RI.5.9
Integrate information from several texts on the same topic in order to write or speak about the subject knowledgeably. Students will research and mathematical concepts and use this information in their poster, dictionary and other products.

CCSS.ELA-Literacy.RI.5.10
By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, at the high end of the grades 4-5 text complexity band independently and proficiently. Students will research mathematicians and create informational and narrative interpretations of their life and mathematical exploration and insights.

CCSS.ELA-Literacy.RI.5.3
Explain the relationships or interactions between two or more individuals, events, ideas, or concepts in a historical, scientific, or technical text based on specific information in the text. Students will compare and contrast their mathematicians and the context of their contributions as they create a chronological order for their Wax Museum of Mathematicians.

CCSS.ELA-Literacy.W.5.2
Write informative/explanatory texts to examine a topic and convey ideas and information clearly. Students will create texts that help others understand a complex mathematical concept.