### Sixth Grade

#### Language Arts:
- to read challenging books, articles, and texts
- to demonstrate their understanding of the material by citing textual evidence, answering questions and contributing to class discussions
- to work on their use of language, sentence structure, and organization of ideas
- to integrate information from different sources and respond to challenging content through written interpretation and analysis

#### Science:
- about life and earth and space sciences
- engineering design, including defining a problem, developing a possible solution, and improving designs
- to use inquiry techniques and scientific thinking process of observing, communicating, comparing, collecting, relating inferring and applying

#### Math:
- the concept of rates and ratios, accurately dividing multi-digit whole numbers, and accurately computing all four operations with multi-digit decimals
- fractions and decimals to understand the concept of rational numbers and write and solve equations when solving multi-step word problems

#### Social Studies:
- about the people and events that led to the formation of major Western and non-Western ancient civilizations beginning with an early study of humankind from the Paleolithic era to the agricultural revolutions
- to explore ancient civilizations such as Mesopotamia, Egypt, Kush, Ancient Greece, India, China, and Rome
- that each unit of study targets the geographical, economic, cultural, technological, and political structures of each civilization

#### Technology:
- to demonstrate mastery in the use of spreadsheets, multimedia, and presentation tools and digital citizenship
- the acceptable uses of technology, copyright, and plagiarism
- to use technology in other subject areas such as math to create graphs and data displays, and using geometric software to aid in three-dimensional visualization
- about the difference between being a passive bystander versus a brave bystander in cyberbullying situations

#### Physical Education:
- a growing emphasis on skills, participation, and team work
- standard physical education, teaching sports and other non-traditional approaches to physical education such as gymnastics, dance, yoga, and martial arts

#### The Arts:
- **Music:**
  - more demanding scales
  - to identify and define standard notation symbols for pitch, rhythm, dynamics, tempo, articulation and expression
  - to sing, record play and perform

- **Theater:**
  - to work toward a full-length production of a play
  - all the elements of acting and production
  - to performs to other organizations and for the parents

- **Dance:**
  - how the various elements of music (pulse, tempo, rhythm) become more complex
  - to engage in group problem-solving and choreographed solutions
  - to observe and discuss historical dance styles and forms in performance and on film

- **Visual Arts:**
  - to develop skills and knowledge about art, powers of observations, perceptual and analytical skills, creativity, technical skills and problem solving abilities
  - to become aware of how visual artists record their culture and reflect history while their artwork remains as unique as the individual human experience