

## **Grade 8 Learning Outcomes December 2019**

### **English Language Arts**

- In literary texts, analyze how particular lines of dialogue or events propel the action, reveal aspects of a character, or provoke a decision.
- In informational texts, analyze how individuals, events, and ideas are introduced, relate to each other, and are developed.
- Conduct research to answer questions, including self-generated questions, drawing on multiple sources, refocusing the inquiry when appropriate. Generate additional related questions that allow for multiple avenues of exploration.
- Draw evidence from literary or informational texts to support analysis, reflection, and research.

### **Academic Vocabulary**

- Function
- Transform

### **Social Studies**

- The Industrial Revolution had significant consequences, including increasing urbanization, the need for a labor force, and the emergence of new business practices.
- The Industrialization of America led to unprecedented Urban Growth and changed the country from a rural one to an urban one.

### **Mathematics**

- Establish facts about the angle sum and exterior angle of triangles; about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles
- Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.

### **Science**

- Develop and use a model of the Earth-Sun-moon system to describe the cyclic patterns of lunar phases, eclipses of the Sun and moon, and seasons.
- Develop and use a model to describe the role of gravity in the motions within galaxies and the solar system.
- Analyze and interpret data to determine scale properties of objects in the solar system; such as the planets of the milky way galaxy and comets.

### **Science Lab**

#### **Analysis, Inquiry and Design**

- Students will use mathematical analysis, scientific inquiry & engineering design, as appropriate, to pose questions, answers and develop solutions.

#### **Class Art with Mrs. Rossicone**

- Create an abstract still-life collage based on an actual still life.
- Explain how value, texture, pattern and color can be used to create unity and balance.

#### **Arts with Mrs. Rossicone**

- Understand the definition of Pop Art and what it encompasses.
- Work as a collaborative team and create a plan.
- Find and bring in materials that are project appropriate.
- Understand three-dimensionality.
- Understand how art is affected by history, culture, and society.

#### **Technology with Miss Rappo**

#### **CCSS.ELA-Literacy. W.8.6**

Use technology, including the Internet, to produce and publish writing and present relationships between information and ideas efficiently as well as to interact and collaborate with others.

