

Grade 8 Learning Outcomes September 2019

English Language Arts:

- Cite textual evidence to strongly support an analysis of what the text says explicitly/implicitly and make logical inferences.
- Write arguments to support claims with clear reasons and relevant evidence.

Academic Vocabulary

- Review of 7th Grade Academic Vocabulary Words.

Mathematics:

- Verify experimentally the various properties of rotations, reflections, and translations.
- Congruence of two dimensional figures.
- Effects of transformations on two dimensional figures, and their coordinates.
- Similarity of two dimensional figures after transformations.

Social Studies:

- New technologies and opportunities led a migration into claimed Western lands.
- The growth of the railroads had significant consequences, including increasing urbanization, the need for a larger labor force, and the emergence of new business practices which led to the Industrial Revolution.

Science:

- Use appropriate scientific tools to solve real world problems; including defining and delimiting engineering problems while considering scientific principles and other relevant knowledge.
- Understand that possible solutions need to be tested, and then modified on the basis of the test result, in order to improve upon it.
- Understand and review the concept of STEM in the classroom and its relationship to the scientific method.
- Know the difference between scientific theory and scientific laws.

Science Lab

Analysis, Inquiry and Design

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

Art with Mrs. Rossicone:

- Create a series of three monoprints.
- Learn different techniques to embellish our work, using oil pastels and water color paints.