

Curriculum Connections

Language

- Apply understanding of agreed-upon rules and individual roles in order to make decisions.
- Know and apply rules for formal discussions
- Write stories using a mix of formal and informal language

Reading

- Relate a literary work to information about its setting.
- Relate a literary work to artifacts, artistic creations, or historical sites of the period of its setting
- Analyze and evaluate similar themes across a variety of selections, distinguishing theme from topic.
- Identify and supply evidence for a theme in a selection.
- Identify and use knowledge of common textual features
- Identify correct mechanics
- Identify evidence in a text that supports an argument.

Mathematics

- Students engage in problem solving, communicating, reasoning, connecting, and representing
- Use the number line to model addition and subtraction of integers, with the exception of subtracting negative integers.
- Demonstrate an understanding of the inverse relationship of addition and subtraction, and use that understanding to simplify computation and solve problems
- Identify polygons based on their properties, including types of interior angles, perpendicular or parallel sides, and congruence of sides, e.g., squares, rectangles, rhombuses, parallelograms, trapezoids, and isosceles, equilateral, and right triangles.
- Predict, describe, and perform transformations on two-dimensional shapes, e.g., translations, rotations, and reflections.
- Identify types of symmetry, including line and rotational.
- Explore the angles formed by intersecting lines.

- Recognize and apply geometric ideas and relationships in areas outside the mathematics classroom, such as art, science, and everyday life.
- Apply the concepts of perimeter and area to the solution of problems.
- Apply formulas where appropriate.
- Identify, measure, describe, classify, and construct various angles, triangles, and quadrilaterals.
- Measurement 5-6**Find the sum of the angles in simple polygons (up to eight sides) with and 7-8 Demonstrate an understanding of the properties of arithmetic operations on rational numbers.
- Determine when an estimate rather than an exact answer is appropriate and apply in problem situations.
- Select and use appropriate operations—addition, subtraction, multiplication, division, and positive integer exponents—to solve problems with rational numbers (including negatives). without measuring the angles.
- Analyze, apply, and explain the relationship between the number of sides and the sums of the interior and exterior angle measures of polygons.

Science

- Recognize that gravity is a force that pulls all things on and near the earth toward the center of the earth. Gravity plays a major role in the formation of the planets, stars, and solar system and in determining their motions.
- Describe lunar and solar eclipses, the observed moon phases, and tides. Relate them to the relative positions of the earth, moon, and sun.
- Compare and contrast properties and conditions of objects in the solar system (i.e., sun, planets, and moons) to those on Earth (i.e., gravitational force, distance from the sun, speed, movement, temperature, and atmospheric conditions).
- Recognize that the universe contains many billions of galaxies, and that each galaxy contains many billions of stars.