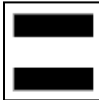
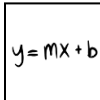
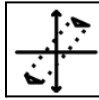
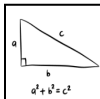


Math 7 Honors Course Overview

Fall Semester

Number Systems	Equations	Equations	Geometry - Angle Relationships & Transformations
			
In this unit, students will represent and use numbers in a variety of forms in order to build a greater understanding of the number system. Students will classify, approximate, and order real numbers.	In this unit, students will represent situations mathematically and solve for unknown quantities. For example, students will be given authentic problems where they will need to represent and solve equations. Students will also explore slope as a constant rate of change, and the y-intercept as a constant/initial value in linear representations.	In this unit, students will represent situations in multiple ways in order to more effectively communicate. For example, students will be given authentic and mathematical problems where they will need to represent them using tables, graphs, equations, and verbal descriptions. Students will explore proportional vs non-proportional relationships.	In this unit, students will explore patterns and geometric properties in order to make connections and apply them to solve problems. Students will use proportional relationships to describe dilations, use one-variable equations in problem situations, and develop transformational geometry concepts.

Spring Semester

Geometry - Pythagorean Theorem, Surface Area, & Volume	Functions	Data & Statistics	Personal Financial Literacy	Probability
				
In this unit, students analyze right triangles & 3D figures and their properties in order to recognize and explain rules or formulas. Students are then given questions and authentic problems where they are asked to figure out which formula to use and develop a solution. For example, students will find surface area, volume, and missing measures.	In this unit, students will explore functions to represent dependencies between quantities. Students will transfer their understanding of linear relationships to functional relationships.	In this unit, students will analyze and interpret patterns to learn from data. Students will describe associations and make predictions.	In this unit, students will analyze and interpret patterns to learn from data. Students will describe associations and make predictions.	In this unit, students will use probability to make decisions and predict future outcomes.