



ALLEN ACADEMY

6 th Grade Mathematics 2017-2018		
First Trimester Objectives:	Second Trimester Objectives:	Third Trimester Objectives:
<ul style="list-style-type: none">- Understanding integers- Study of negative number properties- Fractions, decimals and percentages- Rates and Proportional Relationships	<ul style="list-style-type: none">- Expressions, equations and inequalities- Geometry- Statistics and probability	<ul style="list-style-type: none">- Numbers and operations: Studying the different way numbers work and the different types of numbers that exist- Solving equations reinforcement- Linear equations and functions*Systems of equations
Topics Covered:	Topics Covered:	Topics Covered:
<ul style="list-style-type: none">- Intro to negative numbers- Understanding absolute value and distance on a number line- Properties of addition and subtraction, multiplication and division- Mathematical properties of logic- Converting fractions to decimals- Adding and subtracting rational numbers- Percent word problems- Rational number word problems- Rates and fractions- Identifying and graphing proportional relationships*Writing and solving proportions*Equations of proportional relationships	<ul style="list-style-type: none">- Combining like terms- Understanding the distributive property and equivalence between expressions- Interpreting linear expressions- Two step equations (with decimals and fractions)- Two step equation word problems- One and two step inequalities- Area and circumference of circles- The study of different types of angles- Missing angles and constructing triangles- Slicing geometric shapes- Scale drawings- Understanding volume and the volumes of various objects- Basic probability- Probability models- Compound events and sample spaces- Comparing and sampling populations	<ul style="list-style-type: none">- Negative exponents- Repeating decimals- Irrational numbers and approximating with irrational numbers- Exponent properties- Scientific notation, arithmetic and word problems- Equations with variables on both sides and number of solutions for a given equation- Equations and geometry- Slope-intercept form- Functions and function notation- Linear models and real world models with functions- Intro to non-linear functions
Instructional Resources:		
<ul style="list-style-type: none">• Online Learning Platform: Khan Academy		