

## Class : Grade 6 Math

Date/Time : 06/21/2022 - 08/04/2022 Every Tuesday and Thursday 11am-12pm

Textbook : (No need to buy the textbook. Class notes are provided.)

Pre-Algebra Glencoe McGraw-Hill ISBN 0-07-825200-8

Class Format : Lecture. On-line math games. Homework. (Every class)

Math research project and presentation. (Once)

Date	Time	Progress
06/21	(Tue)	<ul style="list-style-type: none"><li>• Writing Fractions as Decimals</li><li>• Rational Numbers</li><li>• Multiplying / Dividing Rational Numbers</li></ul>
06/23	(Thu)	<ul style="list-style-type: none"><li>• Adding / Subtracting Like and Unlike Fractions</li><li>• Least Common Multiple (LCM). Prime Factorization.</li><li>• Solving Equations with Rational Numbers</li><li>• Arithmetic and Geometric Sequence</li></ul>
06/28	(Tue)	<ul style="list-style-type: none"><li>• Numbers and Expressions / Variables and Expressions</li><li>• Properties</li><li>• Variables and Equations</li></ul>
06/30	(Thu)	<ul style="list-style-type: none"><li>• Ordered Pairs and Relations</li><li>• Scatter Plots</li><li>• Integers and Absolute Value</li><li>• Adding and Subtracting Integers</li><li>• Multiplying and Dividing Integers</li></ul>
07/05	(Tue)	<ul style="list-style-type: none"><li>• The Coordinate System</li><li>• The Distributive Property</li></ul>
07/07	(Thu)	<ul style="list-style-type: none"><li>• Simplifying Algebraic Expressions</li><li>• Solving Equations by Adding or Subtracting</li><li>• Solving Equations by Multiplying or Dividing</li></ul>
07/12	(Tue)	<ul style="list-style-type: none"><li>• Solving Two-Step Equations</li><li>• Writing Two-Step Equations</li><li>• Using Formulas</li></ul>
07/14	(Thu)	<ul style="list-style-type: none"><li>• Powers and Exponents</li><li>• Negative Exponents</li></ul>
07/19	(Tue)	<ul style="list-style-type: none"><li>• Factors and Monomials</li><li>• Prime Factorization</li><li>• Greatest Common Factor (GCF) Least Common Multiple (LCM).</li></ul>
07/21	(Thu)	<ul style="list-style-type: none"><li>• Simplifying Algebraic Fractions</li><li>• Multiplying and Dividing Monomials</li><li>• Scientific Notation</li></ul>
07/26	(Tue)	<ul style="list-style-type: none"><li>• Functions</li><li>• Linear equations in two variables</li><li>• Graphing linear equations using intercepts</li></ul>
07/28	(Thu)	<ul style="list-style-type: none"><li>• Slope</li><li>• Slope-intercept form</li><li>• Writing linear equations</li></ul>
08/02	(Tue)	<ul style="list-style-type: none"><li>• 2-D figures</li></ul>
08/04	(Thu)	<ul style="list-style-type: none"><li>• 3-D figures</li></ul>

\*\*If we complete these topics earlier, we will go for square roots, and probability.