MATH 7 SYLLABUS

1. **Integers**

- definition, compare, arithmetic with, order of operations, coordinate systems

3. **Rational Numbers**

- definitions, arithmetic (with and w/out calc), conversions, classifying numbers

4. **Algebra I**

- substitution, formulas, 1 and 2 step equations, writing equations from word problems

5. **Proportionality**

- define, writing rations, solving a proportion, proportions in word problems,

proportionality in charts and graphs, COP, writing equations using the COP,

scale drawings/maps, similar polygons

6. **Percents**

-define, conversions, solving % with equations and proportions, tax, discounts, commission,

simple and compound interest, % change and error

7. **Algebra II**

- simplifying algebraic expressions (distributive property and like terms), definitions,

polynomial types, equations with like terms, distributive property

8. **Probability**

- simple probability, equal and unequal probability, theoretical and experimental probablility,

9. **Inequalities**

-what are they, solving and graph inequalities (all types) (positive and negative coeffecients),

word problems with inequalities

10. **Algebra and Geometry**

- review basic geometry, angle pairs, apply algebra to geometry (perimeter, area, angle pairs),

11. **3-D Geometry**

- identify shapes, vertices, faces and edges, formulas

12. **Coordinate Geomerty**

- graphing and geometry, area and perimeter with graph paper

13. **Rational Number Equations** (Review Unit to Prepare for 8th Grade)

- equations with rational numbers