**Math 7 Curriculum**

Unit 1: **Number Relations** – Divisibility, LCM, GCF

Unit 2: **Fractions** – Lowest terms, improper/proper fractions, equivalent factions, simplifying fractions, mixed numbers, addition and subtraction of fractions, number lines

Unit 3: **Decimals** – Order of operations, adding and subtracting decimals, multiplying and dividing decimals, comparing decimals, Converting between decimals and fractions, terminating and repeating decimals

Unit 4: **Percentage** – Calculations with percentage, estimating percent, comparisons, converting between fractions, decimals and percentage

Unit 5: **Integers** – Adding and subtracting integers, integers on number lines, multiplying and dividing integers

Unit 6: **Probability** – Probability as fractions, percentages, and decimals, theoretical vs. experimental probability, determining number of outcomes.

Unit 7: **Ratios** – Ratios as pictures, equivalent ratios, simplest form, Finding missing numbers, comparisons using ratios, Maps and scales

Unit 8: **Linear Relationships and Linear Equations** – Patterns, constant terms, numerical coefficients, equations from graphs, problem solving

Unit 9: **Measurement and Geometry** – Angles, Circles, perimeter and area, maximum/minimum, triangles, polygons, plotting points in 4 coordinates, reflections, rotations, translations, line segments,

Unit 10: **Statistics and Graphs** – broken-line graphs, bar graphs, circle graphs, median, mean, mode, range, outliers,