**8th Grade Math - Unit 10**

**Solving equations:**

**Model & solve one variable equations**

**Solve one variable eqs with variablez on bith sides**

**Using & interpreting data:**

**Determine the rate of change (slope) and y-intercept from table or graph**

**Relationships:**

**Unit rate & slope of a line**

**Representing proportional linear situations**

**Identifying functions using:**

**Ordered pairs, tables, mappings, and graphs**

**Characteristics of linear relationships and trend lines**

**Trend lines and bivariate sets of data**

**Association – Linear, non linear, no association**

**Make predictions from linear relationships & bivariate sets of data**

**Similarity**

**Comparing dilations on a coordinate plane**

**Proportionality**

**Dilations and corresponding sides of shapes**

**Algebraic representation of dilations**

**Properties of orientation & congruence**

**Generalizing transformational properties**

**Applying & generalizing rotations, reflections, translations of 2D figures**

**Algebraic representations**

**Effects of translations & reflections across the x & y axis**

**Dilations & scale factor with rotations: 90°, 180°, 270°, 360°**

**Relationships of linear & area measurements**

**Model relationships in shapes & dilations**

**Scale factor in one & two dimensional measures**

**Pythagorean theorem and its converse**

**Distance between points on the coordinate plane**

**­­­Financial Literacy**

**Comparing & calculating simple and compound interest rates**

**Simple & compound interest in savings accounts, loans & credit cards**