**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**