**Math Unit 1: Ratios and Unit Rates (8 weeks)**

**EQ: HOW do you use equivalent rates in the real world?**

**Week 5: 9/30 – 10/4**

9/30 - From Ratio Tables to Equations Using the Base Value of a Ratio Lesson 13

YWBAT use ratio tables to determine the rule or equation

 Success is: use the base value of a ratio to solve problems by writing and solving equations

* Warm up: function machine
* Exercise 1 in table groups; present argument
* Guided notes
* Exit ticket
* Re-visit goals/lesson summary

10/1 - From Ratio Tables, Equations, and Double Number Line Diagrams to Plots on the Coordinate Plane Lesson 14

 YWBAT associate ratios with ordered pairs

Success is: represent ratios in double number lines, ratio tables and equations and then represent those ratios on a coordinate plane

* Correct homework
* Vocabulary chart: coordinate plane, origin, x-axis, y-axis, ordered pair, x-coordinate, y-coordinate
* Guided Practice: from ratio organization to graph representation (skip double number line)
* Independent practice: handout
* Exit ticket
* Re-visit goals/EQ

10/2 - Putting it all Together: A Synthesis of Representations of Equivalent Ratio Collections Lesson 15

 YWBAT associate ratios with ordered pairs

Success is: represent ratios in double number lines, ratio tables and equations and then represent those ratios on a coordinate plane

* Correct homework
* Group work: groups work on one of 6 word problems at a time using a different strategy than the previous group to solve
* Present answers/thinking
* Independent practice/small group: exercise 6
* Re-visit goals/EQ

10/3 - Mid-Module Assessment SPED PILOTS DREAMBOX!

10/4 - From Ratios to Rates Lesson 16

 YWBAT associate a description of a ratio relationship to a new quantity called a rate

 Success is: transforming ratios to rates and unit rates

* Warm up – example a and b
* Vocabulary: rate, unit rate
* Practice: from ratios to rates
* Guided practice
* Re-visit goals