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

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

**Week 2: 9/9 – 9/13**

9/9 - Factors and Multiples

YWBAT understand and use the process for finding GCF and LCM

Success is: knowing when to use LCM and when to use GCF when problem solving.

* Warm up – which method should I use?
* Station practice: in groups of 4-5 students rotate stations (there will be two groups at each station at once)
  + Factors and GCF
  + Multiples and LCM
  + Using Prime Factors to Determine GCF
* Small group/independent challenge work with word problems

9/10 - Factors and multiples assessment

9/11 - Ratio Lab

YWBAT explore ratios using models

Success is: write ratios for given scenarios

* Vocabulary: ratio
* Introduction: Soccer team ratio B:G
  + Example 1 in lesson 1
* Skittles ratio lab
* Re-visit goals

9/12 - Ratios Lesson 2

YWBAT understand the definition and properties of ratios

Success is: creating multiple ratios from a context in which more than two quantities are given

* Correct homework
* Example 1
  + Discuss using part:whole language
* Exploratory challenge: T-shirt company survey results
* Discuss lesson summary
* Exit ticket
* Re-visit goals

9/13 - Equivalent Ratios Lesson 3

YWBAT explore equivalent ratios using models

Success is: formalize a definition for ‘equivalent ratios’

* Warm up (open “warm up slides” ppt)– Write a once-sentence story problem about a ratio. Write the ratio in two different forms
  + Discuss
* Vocabulary chart: equivalent ratios
* Using tape diagrams to represent ratios
  + Exercises 2-3 as a class
  + Exercise 4 independently
* Discuss lesson summary
* Re-visit goals