Weekly Lesson Plans

WIDA Content and Language Objectives

Mr. Wilkie-7th-Grade Mathematics

April 8th-12th, 2019	**Monday**	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
Content Objective	SW demonstrate application of **proportional reasoning by converting rates to unit rates u**sing a graphic organizer and equivalent fractions.	SW demonstrate application of **proportional reasoning by converting rates to unit rates in a jump rope data collection lab.**	Students will demonstrate application of similarity by **finding missing lengths of triangles and other polygons**.	SW demonstrate **analysis of Proportional Reasoning** by ***using the shadow method and equivalent fractions to determine various heights***.	SW demonstrate analysis of similar triangles by finding heights of various objects outside Strong MS using the Shadow Method.
Language Objective	SW restate solution to of unit rate problems using the following stem: **_____ per _____ Word "per" is an indicator of a unit rate**	**SW write and restate time conversions such as:** 60 sec per hour 24 hours per day 7 days per week 4 weeks per month	Students will **write, solve and share various problems using proportional relationships** and equivalent ratios/fractions.	**SW write and complete graphic organizer showing all work summarizing shadow method.**	Students will partner up and measure their shadows then use equivalent ratios to calculate the estimated heights. They will **write and share their results.**
Weekly Vocabulary	Ratios, proportions, scaling, scale factor, part-to-part, part-to whole, rates, unit rates, table, graph equation.	Ratios, proportions, scaling, scale factor, part-to-part, part-to whole, rates, unit rates, table, graph equation.	Similarity, Scale Drawings, Coordinates, Variables, Corresponding sides, Corresponding Angles.	Ratios, proportions, scaling, scale factor, part-to-part, part-to whole, rates, unit rates, table, graph equation.	Similarity, Scale Drawings, Coordinates, Variables, Corresponding sides, Corresponding Angles.
CCS Covered and short description	7.RP.A.3 Use Proportional Relationships to solve multistep problems.	7.RP.A.3 Use Proportional Relationships to solve multistep problems.	7.RP.A.2 Recognize Proportional relationships between quantities.	7.RP.A.3 Use Proportional Relationships to solve multistep problems.	7.RP.A.2 Recognize Proportional relationships between quantities.

Monday: Rates to unit rates **Tuesday**: Jump Rope Rates **Wed:** Finding Missing lengths **Thursday**: Shadow method - similarity **Friday**: Shadow Method Continued