Grade Level:	**6th**
Class Title:	**Math**
Subject:	**Math**
Class Description:	Grade 6 Math will focus on four critical areas: (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; (2) completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers; (3) writing, interpreting, and using expressions and equations; and (4) developing understanding of statistical thinking. This class will work toward one or more of the Washington State K-12 Learning Standards for Mathematics. This will be a year-long class, spanning the 2022-2023 school year. The estimated instructional hours for this class are _____per week. State Cedars Code: 02053 This remote class is overseen by Julie Rheinschmidt.
Learning Materials:	List all materials.
Learning Goals/ Performance Objectives:	**Understand ratio concepts and use ratio reasoning to solve problems.** 1. Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities. **Apply and extend previous understandings of multiplication and division to divide fractions by fractions.** 1. Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem. **Compute fluently with multi-digit numbers and find common factors and multiples.** 2. Fluently divide multi-digit numbers using the standard algorithm. **Apply and extend previous understandings of numbers to the system of rational numbers.** 5. Understand that positive and negative numbers are used together to describe quantities having opposite directions or values (e.g., temperature above/below zero, elevation above/below sea level, credits/debits, positive/negative electric charge); use positive and negative numbers to represent quantities in real-world contexts, explaining the meaning of 0 in each situation. **Expressions and Equations** **Apply and extend previous understandings of arithmetic to algebraic expressions.** 1. Write and evaluate numerical expressions involving whole-number exponents. **Represent and analyze quantitative relationships between dependent and independent variables.** **Geometry** **Solve real-world and mathematical problems involving area, surface area, and volume.** 1. Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems. **Statistics and Probability** **Develop understanding of statistical variability.** 1. Recognize a statistical question as one that anticipates variability in the data related to the question and accounts for it in the answers.

	Summarize and describe distributions. 4. Display numerical data in plots on a number line, including dot plots, histograms, and box plots. A team of certificated teachers who are highly qualified in this subject matter has reviewed this WSLP. This is just a sample of learning goals. Other learning goals are available to view by going to OSPI's website. https://www.k12.wa.us/student-success/learning-standards-instructional-materials
Learning Activities:	The student will complete 4 lessons a week. The student will practice math facts 10 minutes each day. The student will complete one written assessment each day.
Progress Criteria/ Methods of Evaluation:	The student will keep a portfolio of weekly work samples and any written assessments to present to consultant at face-to-face meetings each month. Monthly assessments will be completed by the consultant/certified teacher. Monthly Progress will be marked satisfactory or unsatisfactory based on the professional judgment of the certified teacher using parent input, work samples, and monthly assessments.