

**Course: 4th Grade Math**

**Instructor: Nickels**

## Instructional Plan

### **Course Content Description:**

Provide a brief overview of the course content, including key topics and themes covered throughout the course.

The Texas 4th Grade Math TEKS outline the comprehensive curriculum designed to build foundational math skills used in my classroom. Key topics and themes include:

1. **Number and Operations:** Students develop an understanding of whole numbers and decimals including place value and comparing and ordering them. They also develop an understanding of multi-digit addition and subtraction using whole numbers and decimals as well as 2-digit x 2-digit multiplication and long division with single digit divisors.
2. **Algebraic Reasoning:** This involves recognizing and generating patterns, using variables, and understanding expressions and equations. Students learn to solve for unknowns in simple equations.
3. **Geometry and Measurement:** Students study two- and three- dimensional shapes, their attributes, and how to classify them. They also learn about customary and metric units of measurement as well as how to find the area and perimeter of 2-dimensional shapes, including using appropriate tools and units.
4. **Data Analysis:** This includes collecting, organizing, and interpreting data. Students learn to create and analyze graphs, such as stem-and-leaf plots and dot plots.
5. **Problem-Solving:** Throughout the curriculum, students are encouraged to apply mathematical concepts to real-world situations, enhancing their critical thinking and reasoning skills.

### **Major Assignments and Projects**

List the major assignments and projects for the course, including their purpose and any relevant deadlines or evaluation criteria:

Other than requiring students to master multiplication facts through 12x12, there are no major assignments or projects students are expected to complete on their own outside of the classroom in 4th Grade Math. If a student is absent, he/she is expected to make up the daily work he/she missed outside of the regular classroom time.

**Required Textbooks and Instructional Materials Template**

List the textbooks and other instructional materials required for the course, including authors, publication dates, and any additional resources needed for successful completion.

The following textbooks/instructional materials are used in my 4th Grade Math classroom:

1. ThinkUp! Math
2. Lone Star Learning's TEKSas Target Practice, Daily Rigor, Countdown to STAAR, and Picture Vocabulary Cards
3. IXL Math
4. Lowman Education 4th Grade Math