

**Course: 5th Grade Math**  
**Instructor: Jodi Urbantke**

### **Instructional Plan**

#### **Course Content Description Template**

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

This course follows Texas Essential Knowledge and Skills (TEKS) standards and focuses on developing strong problem-solving, reasoning, and computational skills. Students deepen their understanding of math concepts and apply them to real-world situations.

### 1. Number and Operations

- Place value through the billions
- Comparing, ordering, and rounding numbers
- Addition, subtraction, multiplication, and division of whole numbers and decimals
- Prime and composite numbers
- Fractions: simplifying, comparing, adding, subtracting, multiplying, and dividing
- Converting between improper fractions and mixed numbers

### 2. Algebraic Reasoning

- Patterns and relationships
- Writing and solving equations and expressions
- Understanding variables and simple algebraic rules

### 3. Geometry and Measurement

- Classifying 2D shapes and understanding attributes
- Perimeter, area, and volume of geometric figures
- Coordinate plane: graphing and interpreting points

- Measuring angles and using protractors
- Converting units within measurement systems(customary and metric)

#### 4. Data Analysis and PersonalFinancialLiteracy

- Reading and interpreting graphs(bar,line, dotplots,stem-and-leaf)
- Calculating mean, median, mode, and range
- Understanding budgets,savings,credit, interest, and financial decision-making

#### Themes and Skills Across the Curriculum

- Problem-solving strategies
- Logical reasoning and critical thinking
- Justifying mathematical thinking using models, words, and numbers
- Applying math to everyday contexts

Thiscourselaysthegroundwork for middleschool math bystrengtheningfluency with numbers, building algebraicthinking, and fosteringconfidencein solving real-world problems.

#### **Major Assignments and Projects Template**

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

No major assignments.

**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.

LoneStar Learning: TEKSasTargetPractice,ThinkUp! Math,VocabularyCards,Countdown to STAAR, Daily Rigor, IXL Math, MindPlay,Lowman