

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 WILL FOLLOW **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)
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4. DATA ANALYSIS AND PERSONAL FINANCIAL LITERACY

- READING AND INTERPRETING GRAPHS (BAR, LINE, DOT PLOTS, STEM-AND-LEAF)
 - CALCULATING MEAN, MEDIAN, MODE, AND RANGE
 - UNDERSTANDING BUDGETS, SAVINGS, CREDIT, INTEREST, AND FINANCIAL DECISION-MAKING
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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
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THIS COURSE LAYS THE GROUNDWORK FOR MIDDLE SCHOOL MATH BY STRENGTHENING FLUENCY WITH NUMBERS, BUILDING ALGEBRAIC THINKING, AND FOSTERING CONFIDENCE IN 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.

LONE STAR LEARNING: TEKSAS TARGET PRACTICE, THINKUP! MATH, VOCABULARY CARDS, COUNTDOWN TO STAAR, DAILY RIGOR, IXL MATH, MINDPLAY, LOWMAN