

6th Grade Accelerated Math Syllabus

Texas Bluebonnet Learning: 2025–2026

Teacher: Mrs. Lange

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Course Description

We will use the Texas Bluebonnet Learning Secondary Mathematics program to learn 6th-grade and part of 7th-grade TEKS in one year. This accelerated class prepares you for 7th Grade Accelerated Math through: building conceptual understanding, strengthening math fluency, applying skills to real-world problems, and developing mathematical reasoning.

Materials

- Math notebook (to be kept in class)
- Text Book
- Pencils & erasers

Goals: By the end of this year, you will:

1. Master 6th-grade and some 7th-grade TEKS.
2. Solve real-world problems with confidence.
3. Explain your thinking using math vocabulary.
4. Be prepared for 7th Grade Accelerated Math.

Grading

- Daily Grades (Daily Work / Homework / Participation) – **60%**
- Exam Grades (Tests / Projects / Quizzes) – **40%**

Daily Structure

1. Warm-Up
2. Lesson Introduction
3. Guided Practice
4. Independent Practice
5. Exit Ticket
6. Homework

Policies

- **Late Work:** 10 points deducted each day. Not accepted after 4 days.
- **Make-Up Work:** The student is responsible for coming in during Pirate Period to receive any missed work/instruction.
- **Extra Help:** Tutoring available by appointment after school or any day during Pirate Period.

Let's make this year challenging, exciting, and full of growth!

Semester & Weekly Pacing

Semester 1 – Scope & Sequence

Week	Topic Name	Topics Details
Module 1: Composing & Decomposing		
1–4	Factors & Multiples	Writing equivalent expressions, distributive property, common factors, common multiples, & fractions.
4-5	Shapes & Solids	Constructing triangles, triangle sum theorem, area of triangles and quadrilaterals, & volume of rectangular/triangular prisms.
6	Decimals	Plotting, comparing, and ordering rational numbers, multiplying & dividing decimals.
Module 2: Relating Quantities		
7-9	Ratios & Rates	Ratio, ratio reasoning, comparing ratios and rates to solve problems, equivalent ratios and rates, & graphing, comparing, and using equivalent ratios and rates,.
10-11	Percents	Percent, decimal and fraction equivalence, benchmark percents, & determining parts and the whole in benchmark percents.
12-13	Unit Rates & Conversions	Use ratio reasoning to convert units, unit rate representations, & solving problems with ratios of fractions.
Module 3: Moving Beyond Positive Quantities		
14-15	Signed Numbers and the Four Quadrants	Negative numbers, absolute value, rational number systems, & extending the coordinate plane.
15-17	Operating with Integers	Adding, subtracting, multiplying, & dividing integers.
18	Operating with Rational Numbers	Adding and subtracting rational numbers, quotients of integers, & simplifying and interpreting expressions,.

*“Week” numbers refer only to instructional weeks when students are in school. Does not include thanksgiving, winter, or spring break vacation weeks.

* Dates are estimated and may be rearranged to fit our schedule as needed.

Semester 2 – Scope & Sequence

Week	Topic	Topic Details
Module 4: Determining Unknown Quantities		
19-20	Expressions	Evaluating and verifying numeric, algebraic, and equivalent expressions.
21-25	Equations & Inequalities	Solving one-step addition/multiplication equations and inequalities to solve problems using double number lines, inverse operations, and the triangle sum theorem. Special angle relationships and relationships between 90 and 180 degree angles.
25-27	Graphing Quantitative Relationships	Independent and dependent variables. Using graphs to solve problems. Multiple representations of equations. Relating distance, time, and rate. Problem solving on the coordinate plane.
Module 5: Describing Variability of Quantities		
27–28	The Statistical Process	Understanding the statistical process, analyzing data displays through histograms and bar graphs, & comparing two populations.
29-30	Numerical summaries of data	Analyzing data using measures of center, displaying the five-number summary, & collecting, displaying, and analyzing data.
End of Year Review		
30-33	STAAR Review	Quick review of all topics covered throughout the year until STAAR testing is over.
34-35	Financial literacy	Checking accounts, debit vs. credit cards, understanding credit reports, career exploration, paying for college, sales tax, income tax, fees, and net worth statements.
36-37	Intro to 7 th Grade Accelerated Math	Introduction to 7 th grade standards and materials.

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