7th Grade Mathematics Syllabus 2025 – 2026

Instructor: Ezequiel Berrones

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Conference Period: 9:45-10:30

Room: 6-16

Course Description

This course will focus on building a deep understanding of proportionality, rational numbers, algebraic reasoning, probability, statistics, and geometry.
Students will develop mathematical problem-solving skills, apply real-world reasoning, and strengthen their ability to communicate mathematical ideas.

Instructional Materials

- Carnegie Learning Math Series
- Lead4ward Field Guide, TEKS Snapshot
- Teacher-curated digital resources
- Notebook, pencils, folder, 4 function calculator, Chromebook

Grading Policy

• Assessments (Unit Tests, STAAR Benchmarks, Carnegie Assessments): 40%
• Classwork /Participation: 60%

Classroom Expectations

Students are expected to:
• Be prepared and ready to learn each day.
• Participate in discussions and small group activities.
• Complete assignments on time.
• Demonstrate respect toward peers, teachers, and materials.

Course Calendar

Below is a unit-by-unit outline of the topics and lessons for the 2025–2026 school year.

Quarter 1

Module 1: Thinking Proportionally (31 Days)
• Topic 1: Circles and Ratio – Exploring Pi, area, and circumference.
• Topic 2: Fractional Rates – Unit rates with fractions and solving proportions.
• Topic 3: Proportionality – Proportional relationships and constant of proportionality.

Quarter 2

Module 2: Applying Proportionality (15 Days)
• Proportional Relationships – Markups, markdowns, percent increase/decrease, and scale drawings.
• Financial Literacy: Interest and Budgets – Simple and compound interest, net worth, and personal budgeting.
Module 3: Reasoning Algebraically (25 Days)
• Operating with Rational Numbers – Addition, subtraction, multiplication, and division of rational numbers.
• Algebraic Expressions – Evaluating, rewriting, and combining like terms.
• Two-Step Equations and Inequalities – Modeling, solving, and interpreting.
• Multiple Representations – Using tables, graphs, and equations.

Quarter 3

Module 4: Analyzing Populations and Probabilities (20 Days)
• Probability – Simple, compound, and simulated experiments.
• Drawing Inferences – Using random samples, comparing populations, and graphical representations.
Module 5: Constructing and Measuring (12 Days)
• Area and Surface Area – Composite figures, surface area of prisms, pyramids, and volume problems.

Quarter 4

Module 5: Constructing and Measuring (continued)
• Three-Dimensional Figures – Advanced volume and surface area problems.
STAAR Prep: March 30 – April 17
Math STAAR Test Window: April 21 – May 1

End of Year Performance Tasks – "Lawn Boy" and "Boot Bargains"
EOY Assessment: May 11 – May 15
Closing Procedures: May 18 – May 22