



Course Syllabus

Course Title: Math, Grade 7

School Year: 2024-2025

Semester(s): 1 and 2

Grade Level(s): Grade 7

Course Day(s) and Times: Mondays and Wednesdays, 11:00 am–12:00 pm, PST

Teacher Information

- **Name:** Ruth Maas
- **Email:** ruth.maas@brancheslearning.org
- **Office Hours:** By appointment only
- **Branches Learning Main Office Number:** (323) 955-0114

Class Materials - <https://brancheslearning.org/product/math-grade-7/#Materials>

Course Description: While enjoying a collaborative learning environment, 7th-grade math students develop their critical thinking and problem-solving skills by engaging in activities, exercises, and projects aligned with the Common Core Standards.

Students strengthen their math foundation by making sense of mathematical problems, reasoning abstractly and quantitatively, constructing viable arguments, creating math models, using appropriate tools, discerning patterns, and applying mathematical operations to real-life situations.

Course Units

Semester 1

Unit 1: Welcome! Review of Math Operations and Properties

Unit 2: Understanding Rational Number

Unit 3: Solve Equations Using Rational Numbers

Unit 4: Calculate and Graph Unit Rates

Unit 5: Create Proportional Relationships

Unit 6: What are Algebraic Expressions?

Unit 7: Solve-step Equations

Unit 8: Solve Two-step Equations

Unit 9: Solve One-step Inequalities

Unit 10: Solve Two-step Inequalities

Semester 2

Unit 11: Analyze and Display Statistical Data

Unit 12: Find the Probability of Random Events

Unit 13: Use Algebra to Find Missing Angles

Unit 14: Understand the Properties of Triangles

Unit 15: Understand the Properties of Circles

Unit 16: Understand the Properties of Squares and Rectangles

Unit 17: How to Make Scale Drawings and Models

Unit 18: Calculate Surface Area and Volume

Unit 19: Mixed Review

Course Expectations: Come to class prepared to learn in a quiet environment, be on time, participate in class, submit work on time, treat others with respect with both actions and words and ask for help when needed.

Grading Scale

Middle School, Grades 6-8

- A = 90% -100%
- B = 80%-89%
- C = 70%-79%
- D = 60%-69%
- F = 0%-59%

Final grades are determined by the quality and completion of assignments, attendance, and participation.



Important Branches Learning Policy Information

Camera Policy

Branches Learning requires students to keep their cameras on during live classes unless otherwise instructed by the teacher. Exceptions can be made in rare circumstances if the course teacher, supervising teacher (HST), and the parent all approve a camera waiver.

Headset Policy

Students attending live classes from a shared space must have a headset with a microphone to ensure the class is not disrupted by background noise.

Attendance Policy

Absences must be reported to the course instructor via email or sent to info@brancheslearning.org. Class recordings are available upon requests.

Attendance and participation are part of the final grade. Students who miss more than 40% of live classes may fail the course. Exceptions may be made if a pre-approved plan is in place.

Late Work

Assignments turned in after the due date will result in a lower grade unless pre-approved by the instructor.