Tokyo International Progressive School
Grade 9 Algebra 1 Course Outline 2025-2026
Mr. Steven Kilty, Room 25

DESCRIPTION OF COURSE

Algebra 1 is a course designed to help students understand the meaning of variables and how we use them to represent numbers. Students will learn how to solve equations and inequalities with one or two variables, how to graph equations, and understand the relationship between a graph and its equation. Most importantly, this course will give students a basic understanding of algebra: how numbers and variables work together. The goal of this course is to refresh the algebra skills students already have, challenge their minds to learn more difficult material, and build new mathematical knowledge through problem solving.

Topics include rational numbers, solving equations and inequalities, factoring polynomials, and systems of equations and inequalities. The title of the textbook used for this course is *Algebra 1*.

STUDENT EXPECTATIONS

Students need to bring **pencils, a ruler, an eraser, a TI-84 plus graphing calculator, and an A4 grid-style notebook** to class.

At the beginning of the school year, you will be issued a textbook. If this textbook is not returned in a usable condition by the required date, your family will be asked to pay for a replacement.

In principle, quizzes will be given at the end of every week. Project due dates will be announced in class.

Any projects that are late will receive a zero in their project mark. The mark will be changed upon submission of the assignment. Students are encouraged to talk to the teacher if they are concerned about the due date of a project.

No food is allowed in the classroom. Students are permitted to bring closed containers of water or unsweetened, non-caffeinated tea to the classroom.

EARNING YOUR GRADE

Your grade will be determined by your work in these categories:

Grade Category	Percentage of your grade
Quiz	20%
Daily Work	30%
Project	30%
Test	20%

The grading scale for this course will be:

Letter grade	Mark range
A+	98-100
A	93-97
B+	90-92
B	85-89
C+	82-84
C	77-81
D+	74-76
D	70-73
F	69 or below

IMPORTANT DATES

These dates are for your general planning. The exact date is subject to change, though the teacher will make an effort to announce assessment dates one week prior to the exam.

Assessment	Date
Chapter 1 progress test - Variables, Function Patterns, and Graphs	September 5
Chapter 2 progress test - Rational Numbers	September 26
Chapter 3 progress test - Solving Equations	October 15
Chapter 4 progress test - Solving Inequalities	November 5
Chapter 5 progress test - Graphs and Functions	November 21

Chapter 6 progress test - Linear Equations and Their Graphs	December 12
Chapter 7 progress test - Systems of Equations and Inequalities	January 23
Chapter 8 progress test - Exponents and Exponential Functions	February 13
Chapter 9 progress test - Polynomials and Factoring	March 13
Chapter 10 progress test - Quadratic Equations and Functions	April 10
Chapter 11 progress test - Radical Expressions and Equations	May 8
Chapter 12 progress test - Rational Expressions and Functions	May 29
Year-end Exam	June 5