

# Tokyo International Progressive School

Grade 9 Algebra 1 Course Outline 2026-2027

Mr. Steven Kilty, Room 25

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## DESCRIPTION OF COURSE

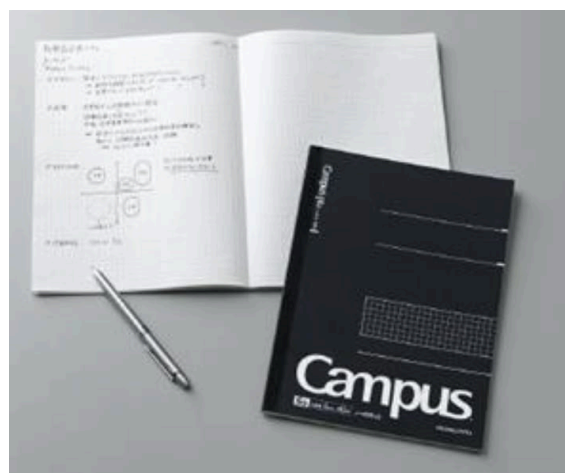
*Algebra 1* is a course designed to help students understand the meaning of variables and how we use them to represent numbers. In the first semester, students will learn how to solve equations and inequalities with one or two variables, how to graph equations, and understand the relationship between a graph and its equation. In the second semester, students will learn systems of equations and inequalities, exponents and their functions, factoring, polynomials, radical expressions and equations, quadratic equations and functions, rational expressions and functions, data analysis, combinations and permutations. Most importantly, this course will give students a basic understanding of algebra: how numbers and variables work together.

The title of the textbook used for this course is *Algebra 1*.

## STUDENT EXPECTATIONS & CLASSROOM POLICIES

1. You need to bring the following materials to class:

- ☐ Pencils
- ☐ Eraser
- ☐ Ruler
- ☐ A4 grid-style notebook
- ☐ Textbook
- ☐ TI-84 Plus Graphing Calculator



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

3. **Daily work.** On most class days, you will be assigned a daily work assignment. This may be a textbook assignment which you can complete in your notebook, or a worksheet which you can complete and keep in your personal storage drawer. You should strive to complete this class assignment before the start of the next class. Mr. Kilty will record the grade on Quickschools once you have completed the assignment.

4. **Quizzes.** In principle, quizzes will be given at the end of every week.

5. **Projects.** Generally, projects are assignments which are larger in scope and assess learning over multiple lessons. You can expect to have 2~4 projects per semester. Details for each project will be provided in class and posted on Google Classroom.

6. **Incomplete Work.** Any unsubmitted assignment will receive a zero in Quickschools. The mark will be changed upon submission of the assignment. WIN time is available after school if you need extra time to complete an assignment. All chapter assignments should be completed prior to the chapter test. In the case of excessive tardiness (more than two weeks), a late penalty may be factored into the grading of the assignment.

7. **Food.** 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%                      |

| 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

Below are the *tentative* test dates.

There will be a chapter test roughly every 3 weeks.

The exact test dates are subject to change.

Please check [Google Classroom](#) for all course information including updated test dates.

| Assessment                                                         | Date         |
|--------------------------------------------------------------------|--------------|
| Chapter 1 Progress Test – Variables, Function Patterns, and Graphs | September 11 |
| Chapter 2 Progress Test - Rational Numbers                         | October 9    |
| Chapter 3 Progress Test - Solving Equations                        | November 3   |
| Chapter 4 Progress Test - Solving Inequalities                     | November 27  |
| Chapter 5 Progress Test - Graphs and Functions                     | December 16  |
| Chapter 6 Progress Test - Linear Equations and Their Graphs        | January 22   |
| Chapter 7 Progress Test - Systems of Equations and Inequalities    | February 12  |
| Chapter 8 Progress Test - Exponents and Exponential Functions      | March 9      |
| Chapter 9 Progress Test - Polynomials and Factoring                | April 2      |
| Chapter 10 Progress Test - Quadratic Equations and Functions       | April 30     |
| Chapter 11 Progress Test - Radical Expressions and Equations       | May 21       |
| Chapter 12 Progress Test - Rational Expressions and Functions      | June 4       |