

Tokyo International Progressive School

Grade 11 Algebra II Course Outline 2026-2027

Mr. Steven Kilty, Room 25

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DESCRIPTION OF COURSE

Algebra 2 is a course designed to build and expand on the concepts and tools learned in earlier algebra courses. In the first semester, students will evaluate and graph functions and equations with two or more variables, differentiate between expressions, equations, inequalities, and absolute values, use the quadratic formula to write and solve quadratic equations and functions, solve radical functions, and work with matrices.

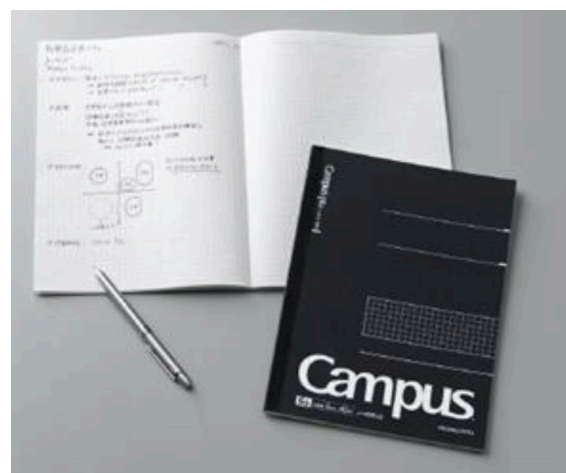
Topics in the second semester include solving and graphing exponential and logarithmic functions, simplifying expressions, solving equations, graphing geometric shapes, working with arithmetic and geometric sequences, probabilities, and trigonometric equations. A graphing calculator is required for this course.

The title of the textbook used for this course is *Algebra 2*.

STUDENT EXPECTATIONS & CLASSROOM POLICIES

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

- ☐ Pencils
- ☐ Eraser
- ☐ Ruler
- ☐ A4 grid-style notebook – **Use this for both your class notes and your textbook assignments**
- ☐ 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.

NOTICE



**NO FOOD
NO GUM
NO CANDY
ONLY WATER
IN CLOSED CONTAINER**

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 – Tools of Algebra	September 4
Chapter 2 progress test – Functions, Equations, and Graphs	September 25
Chapter 3 progress test - Linear Systems	October 20
Chapter 4 progress test - Matrices	November 3
Chapter 5 progress test - Quadratics	November 27
Chapter 6 progress test - Polynomials	December 16
Chapter 7 progress test - Radicals	January 22
Chapter 8 progress test - Exponents and Logarithms	February 12
Chapter 9 progress test - Rational Functions	March 9
Chapter 10 progress test – Quadratic Relations and Conic Sections	April 2
Chapter 11 progress test – Sequences and Series	April 30
Chapter 12 progress test – Probability and Statistics	May 21
Chapter 13 progress test – Periodic Functions and Trigonometry	June 4