

Tokyo International Progressive School

Grade 11 Algebra 2 Course Outline 2025-2026

Mr. Steven Kilty, Room 25

DESCRIPTION OF COURSE

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

Topics include functions, equations, graphs, inequalities, trigonometric ratios, and polynomials. The title of the textbook used for this course is *Algebra 2*.

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
Chapters 1 and 2 progress test: Tools of Algebra, Functions and Graphs	September 12
Chapter 3 progress test - Linear Systems	September 26
Chapter 4 progress test - Matrices	October 15
Chapter 5 progress test - Quadratics	November 5
Chapter 6 progress test - Polynomials	November 21
Chapter 7 progress test - Radicals	December 12
Chapter 8 progress test - Exponents and Logarithms	January 23
Chapter 9 progress test - Rational Functions	February 13
Chapter 10 progress test – Quadratic Relations and Conic Sections	March 13
Chapter 11 Progress test – Sequences and Series	April 10
Chapter 12 Progress test – Probability and Statistics	May 8
Chapters 13 and 14 progress test – Periodic Functions and Trigonometry	May 29