

Tokyo International Progressive School

Grade G10 General Math 2026-2027

Mr. Steven Kilty, Room 25

Contact: skilty@tokyoips.com

DESCRIPTION OF COURSE

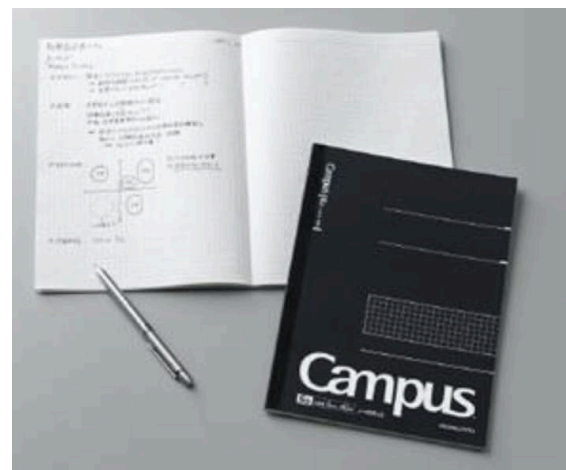
In semester one, students will develop an understanding of fractions, decimals and percentages, and develop skills using these operations. They learn to handle data through graphs, scientific notation and means of comparison; and they apply their understanding of concepts, operations and data to practical problems in interest, insurance, taxes, banking and budgeting.

In semester two, students will learn about conversion between English and metric units. Geometry will be explored as students learn about lines, angles, triangles and finding volume, surface area, and area of shapes. Lastly, the course will focus on formulas and equations. Students will learn how to solve linear algebraic equations and graphing inequalities.

STUDENT EXPECTATIONS & CLASSROOM POLICIES

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

- ☐ Pencils
- ☐ Eraser
- ☐ Ruler
- ☐ Scientific calculator - **Recommended calculator: Casio Scientific Calculator fx-375ES**



2. **Class Materials.** There is no textbook for this course. Mr. Kilty will distribute materials for you to work from.

3. **Daily work.** On most class days, you will have problems to work on which will be considered daily work. You can keep all of your materials in your personal storage drawer. 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 3~4 weeks.

The exact test dates are subject to change.

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

Assessment	Date
Unit 1 – Operations with Whole Numbers	September 11
Unit 2 – Fractions	October 9
Unit 3 – More about Fractions	November 3
Unit 4 - Decimals	December 9
Unit 5 – Statistics	January 22
Unit 6 – Business Applications	February 12
Unit 7 – Formulas and Measurements	March 9
Unit 8 – Perimeters, Areas, and Volumes	April 2
Unit 9 – Lines, Angles, Measurement, and Construction	April 30
Unit 10 – Equations, Graphs, and Inequalities	May 21
Unit 11 – Sets and Problem Solving	June 4

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Grade 10 Geometry Course Outline 2026-2027

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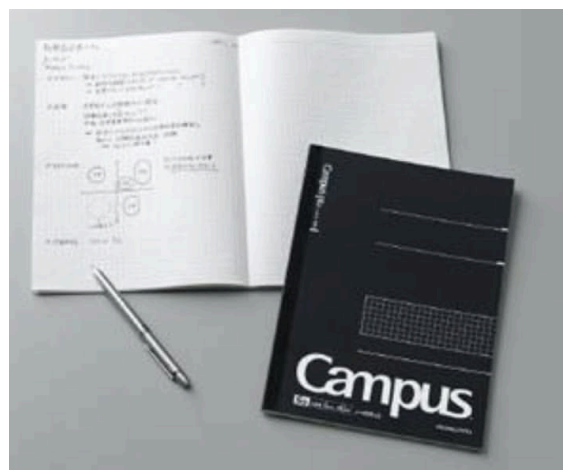
Grade 10 Geometry is a course designed to help students develop reasoning skills using geometric terms and processes, concepts of logic, and applied problem solving. Topics covered in semester 1 include patterns, inductive and deductive reasoning, models, points, lines, the coordinate plane, parallel and perpendicular lines, angle measures, basic constructions, reasoning and proofs, congruent triangles, and relationships within triangles. Topics covered in semester 2 include quadrilaterals, ratios and proportions, right triangles and trigonometry, transformations, areas of polygons and circles, surface area and volume, and tangents, chords and arcs. This course uses many of the problem solving skills and equations learned in G9 Algebra I.

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

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.

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Assessment	Date
Chapter 1 progress test - Foundations for Geometry	September 11
Chapter 2 progress test - Geometric Reasoning	October 9
Chapter 3 progress test - Parallel and Perpendicular Lines	November 3
Chapter 4 progress test - Triangle Congruence	November 27
Chapter 5 progress test - Triangle Properties	December 16
Chapter 6 progress test - Polygons	January 22
Chapter 7 progress test - Similarity	February 12
Chapter 8 progress test - Trigonometry	March 9
Chapter 9 progress test - Perimeter and Area	April 2
Chapter 10 progress test - Spatial Reasoning	April 30
Chapter 11 progress test - Circles	May 21
Chapter 12 progress test - Transformations	June 4