

Tokyo International Progressive School

Grade 7, Math Course Outline

2026-2027

Mr. Ebert, Room 32



DESCRIPTION OF COURSE

In this course, students will continue to develop their mathematical foundations while being introduced to new concepts that help them prepare for more advanced math classes. This course is designed to broaden students' horizons and help them begin to see how the math learned in class can be applied to real-life situations.

The course will cover the following topics:

1) Proportional Relationships

- Use properties of operations to generate equivalent expressions

2) Rational Number Operations

- Apply and extend previous understandings of operations with fractions to add, subtract and divide rational numbers

3) Expressions, Equations and Inequalities

- Solve real-life and mathematical problems using numerical and algebraic expressions and equations

4) Geometry

- Draw, construct and describe geometric figures and describe the relationship between them
- Solve real-life and mathematical problems involving angle measure, area, surface area and volume

5) Sampling and Data Analysis

- Use random sampling to draw inferences about a population, and draw informational comparatives

6) Probability

- Investigate chance processes and develop, use and evaluate probability modes

STUDENT EXPECTATIONS

Students are required to bring their pencil case, notebook, computer and folder. Students may not eat food during class, but may freely drink water from their water bottle.

Students must have a scientific calculator. The [Casio Scientific Calculator fx-375ESA-N](#) is strongly recommended. However, the calculator is only to be used when the teacher has given approval. This includes checking work and doing homework.

Once students enter the classroom, they are expected to sit quietly and wait for the instructions for the day.

Students will be given worksheets and online resources to practice the various concepts.

If assignments are not submitted by the assigned due date, parents will be informed and the student will be required to attend WIN to complete the incomplete assignment.

For every day a student is excused, tardy or absent, they will have two school days to complete any work from the missed class(es). All assignments and paperwork that had been due at the beginning of the missed class (e.g., homework, projects, reports, signed papers, etc.) will be due on the day of return. Students have a responsibility to ask the teacher for any missed work from their absences.

If a student requires more time to complete their assignment, the student must take responsibility and inform the teacher with the reasons for needing extra time. If the reasons are legitimate, the teacher will set a new due date for the assignment. If a student is unable to complete the assignment by the new designated due date, the student will earn a zero as their grade for that assignment.

If a student receives a failing grade in a test, the student will receive the opportunity to have a re-test. The student will be asked to re-answer the questions they got wrong in their first attempt, along with a verbal explanation of their new answer. If the new answer is correct, half of the original point(s) the question was worth will be added on to the original score the student received in the test.

EARNING YOUR GRADE

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

6Ps (Prepared/Punctual/Productive. Positive/Pleasant/Polite) Positive/pleasant/polite behaviors govern how members of the TIPS community are expected to treat each other. Prepared/punctual/productive behaviors guarantee academic success.	10%
Daily Work Daily work is anything students complete in class and directly linked to the objective for the lesson.	25%
Quizzes Short assessments between 5-10 questions, taking 5-10 minutes to complete. Quizzes are formative assessments used to check students' progress throughout the course.	20%
Project Assignments are longer tasks, designed to practice skills including research, organization, group work, and presentation. Projects will usually take more than one class period to complete and will involve completing some of the work outside of class time.	25%
Progress Tests Progress Tests are summative assessments given at the end of a unit and cover all the material learned in that unit.	20%

We will primarily use resources from [Big Ideas Math: Common Core 2019 - Grade 7](#)

Letter grade	Mark range
A+	97-100
A	92-96
B+	88-91
B	83-87
C+	79-82
C	74-78
D+	70-73
D	65-69
F	64 or below

IMPORTANT DATES *(may change throughout the school year)*

Assessment	Date
Addition and Subtraction of Rational Numbers Test	Week 4 (September)
Multiplication and Division of Rational Numbers Test	Week 7 (October)
Expression Test and Project	Week 13 (November)
Equations and Inequalities Test	Week 17 (December)
Ratios and Proportions Test and Project	Week 23 (February)
Percents Test	Week 29 (March)
Probability Test and Project	Week 33 (April)
Statistics Test	Week 36 (May)
Geometric Shapes Test and Project	Week 38 (June)