

**Tokyo International Progressive School**  
**Grade 8, Mathematics Course Outline**  
**2025-2026**

**Sazi Mhlanga, Room 23**

# **MATHEMATICS**

## **COURSE DESCRIPTION**

This course is aligned with the Common Core Standards for grade eight. Students will use online ([Big Ideas Math Grade 8](#)) as well as printed materials to learn the skills required for this grade. In addition, they will use [ixl.com](#) ([IXL Grade 8](#)) to continually practice their skills and check their progress at their grade level. Topics included in this course are: Equations, Systems of Linear Equations, Graphing and Writing Linear Equations, Functions, Exponents and Scientific Notations, Transformations, Triangles and Pythagorean Theorem, Volume and Similar Solids, and Data Analysis and Displays.

## **STUDENT EXPECTATIONS**

### Materials needed for class:

laptop

notebook

pencils

eraser, pencil sharpener,

rulers

protractor, compass, graph paper. (For Geometry lessons)

Textbooks: Students will use the online textbook plus printed material provided by the teacher. The daily instructions on the board as well as on google classroom will guide the students which resource they are going to use for that specific period. Therefore, the students should look at the board or check their grade 8 math google classroom as they enter the classroom.

Students are responsible for all the printed materials to keep them organized and safe as they will need those while reviewing for their quizzes and tests. The teacher will regularly supervise all students' notebooks and files to make sure they do have all the copies.

Late Assignments: Any assignments/projects that are late, without having made arrangements with the teacher, will have 2% of their total mark for that assignment deducted for each day it is late.

Late Test/Quizzes: If a student informs the school that he/she will be absent on a quiz/test day, the student will have to take the test the next day.

Food and Drink Policy: no food or pet bottles are allowed in the classroom. Students can bring drinks in their own water bottle.

## EARNING YOUR GRADE

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

Grade Category	Percentage of your grade
6P	10%
Quiz	20%
Daily Work	25%
Project	25%
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

## Mathematics Grade 8

### IMPORTANT DATES

The class will follow below timelines for the progress tests. However, there will be more frequent quizzes and projects assigned and announced to students through Google Classroom at least 3 days before their deadlines.

Assessment/ Progress Tests	Date
Q1.1.Progress Test – Equations	September
Q1.2.Progress Test- Transformations	September
Q1.3.Progress Test - Similarity Transformation and Similar Figures	October
Q2.1.Progress Test – Graphing Linear Equations and Finding the Slope	November
Q2.2.Progress Test – Writing Equations	December
Q2.3. Progress Test – Systems of Linear Equations	January
Q3.1. Progress Test – Data Analysis and Displays	February
Q3.2. Progress Test – Functions	February
Q3.2. Progress Test – Exponents	April
Q4.1. Progress Test – Scientific Notations	April
Q4.2. Progress Test – Number Systems and Pythagorean Theorem	May
Q4.3. Progress Test – Volume and Similar Solids	June