Tokyo International Progressive School
Grade 6 Science
Course Outline 2025-2026
Ms. Marcelo, Room 34

"Somewhere, something incredible is waiting to be known."
- Sharon Begley

COURSE DESCRIPTION:

In this course, students will develop their understanding of a variety of topics in Earth and Space Science from the water cycle to the role of gravity. The topics covered will build upon the concepts learned in elementary school and will provide the chance for students to develop their understanding of more advanced content and skills. Students will be given the opportunity to develop and use models to explain phenomena, and analyze and interpret data in order to construct scientific explanations.

The course consists of four units:

1) Weather and Climate
    - Water cycle
    - Changes in weather conditions
    - Regional climate and global temperatures
2) History of the Earth
    - Past geoscience processes
    - Past plate motions

- Geological time scale
- Natural hazards

3) Earth and Human Activities
   - Distribution of Earth's resources
   - Consumption of natural resources
   - Human impact on environment

4) Space Science
   - Earth-sun-moon system
   - Role of gravity
   - Objects in the solar system

STUDENT EXPECTATIONS:

- Students are required to bring their pencil case, water bottle, laptop, and folder. Students may not eat food during class.
- Students may bring materials needed for accommodations (e.g. noise-cancelling earbuds, fidget) if applicable.
- 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 learn specific Science concepts.
- When in use, laptops will remain on the desk. Students must remain on the learning websites instructed by their teacher and not on other inappropriate websites.
- If a student is unable to complete work by the expected due date, the grade will be a 0 on Quickschools until the work is completed. The student and the teacher will set a new due date together. If the assignment is not completed by the new due date, the grade will remain a 0 in Quickschools and will not be able to be changed.
- Students are expected to follow 6Ps and teacher's instructions at all times. Any misbehavior will not be tolerated.

GRADE:

6P Positive/pleasant/polite behaviors articulated 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 15-30 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%
Test Progress Tests are summative assessments given at the end of a unit and cover all the material learned in that unit.	20%

The grading scale for this course will be:

Letter Grade	Mark Range	Grade Points
A+	98-100	4.0

A	93-97	4.0
B+	90-92	3.5
B	85-89	3.0
C+	82-84	2.5
C	77-81	2.0
D+	74-76	1.5
D	70-73	1.0
F	69 or below	0.0

IMPORTANT DATES:

* Schedule is subject to change

Circulation of Earth's Air and Water Project and Test Week 4 (September)
Weather and Climate Project and Test Week 7 (October)
The Dynamic Earth Project and Test Week 13 (November)
Earth Through Time Project and Test Week 21 (January)
Earth's Natural Hazards Project and Test Week 25 (February)
Resources In Earth Systems Project and Test Week 33 (April)
Patterns in Our Solar System Project and Test Week 37 (May)
The Solar System and The Universe Project Week 39 (June)

IMPORTANT:

Students will be assessed with quizzes after each lesson on a weekly basis and progress tests or projects on a monthly basis. Students may also be required to work on longer project assignments involving researching and writing skills. Projects will take several lessons to complete and will be scheduled at least once per quarter.