

Tokyo International Progressive School

Grade 6, Science Course Outline

2022-2023

Ms.Koh, Room 33



DESCRIPTION OF COURSE

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, computer and folder. Students may not eat food during class.

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 scientific concepts.

If a numbered lent textbook is not returned in usable condition by the required date, your family will be asked to pay for a replacement for the book.

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(s). All assignments and paperwork that was 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 articulated 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%

The grading scale for this course will be:

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
Circulations of Earth's Air and Water Project and Test	Week 4 (September)
Weather and Climate Project and Test	Week 8 (October)
The Dynamic Earth Project	Week 15 (November)
Earth Through Time Test	Week 17 (December)
Earth's Natural Hazards Project and Test	Week 19 (January)
Resources in Earth Systems Project and Test	Week 25 (February)
Human Impacts of Earth Systems Project and Test	Week 28 (March)
Patterns in the Solar Systems Project and Test	Week 34 (May)
The Solar Systems and Universe Project and Test	Week 38 (June)