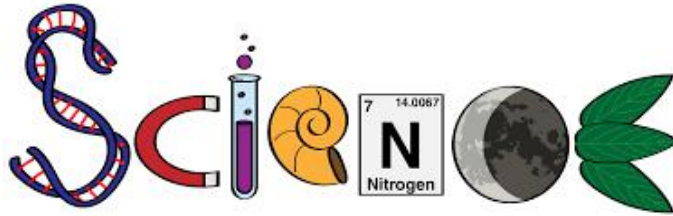


Tokyo International Progressive School
Grade 4&5, Science Course Outline
2022-2023
Nabi Nazari, Room 23



DESCRIPTION OF COURSE

In this course, students will learn the following topics from Into Science Grade 4 and Grade 5, which are aligned with Common Core Standards for grade 4&5:

Unit 2 Grade 4: Plant and Animal Structure and Function

Unit 3 Grade 4: Energy and Communication

Unit 5 Grade 5: Earth Interactions and Resources

Unit 6 Grade 5: Patterns in the Sky

Unit 1 Grade 4: Engineering and Technology - project

Covering above Units, the students will learn about Energy (speed, energy transfer, changes in energy, energy conversion, energy from natural resources); Structure, Functions and Information Processing (reflection of light, structure of plants and animals, process of information by animals); Space Systems (gravitational force by Earth, stars, and patterns of daily changes); Earth Systems (interaction of the geosphere, biosphere, hydrosphere and atmosphere; distribution of water on Earth; use of science to protect Earth); Engineering Design (define a problem, generate solutions, plan and test prototypes).

STUDENT EXPECTATIONS

Students are expected to bring the following materials to class each day:

- Accordion binder with agenda inside
- Pencil Case (pencil, pen, eraser)
- Any related handouts from teacher
- Water bottle
- Charged laptop or tablet
- Headphones
- Any materials for accommodations (e.g. noise-canceling earbuds)

Immediately after the class starts, the students should look at the board and follow the teacher's instructions written on the board.

Students are allowed to drink closed drink bottles in the classroom. Water and sports drinks are preferred. Cans are not allowed in the classroom. Food is also not allowed in the classroom.

Missed work due to tardiness or absences

For every day a student is excused, tardy or absent, they will have two (2) 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. For example, if a project was due on a Monday, and the student was absent, that project is due upon the day of return.

Students have a responsibility to ask the teacher for any missed work from their absences.

If a student has any extenuating circumstances or needs additional time, that student may speak with the teacher about an extension at the teacher's discretion. Any work not completed by the time agreed upon will be considered late or missing and fall under those circumstances in the course outline.

If a student will require a re-do on their test, please talk with the teacher.

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+	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

All the dates are subject to change, and this will be communicated to the students regularly in the class.

Assessment	Date
Plant parts and functions: Quiz#1	Sep 13
Project#1	Sep 26-29
Animal parts and functions: Quiz #2	Oct 4
Projcet #2	Oct 24 - 26
Senses: Quiz #3	Oct 28
Test #1	Oct 31
Calculating energy: Quiz #4	Nov 18
Project #3	Dec 9
Energy in a Drop: Quiz #5	Dec 13
Project #4	Jan 18-20
Earthquake models: Quiz #6	Jan 21
Test #2	Jan 24
Earth systems Interact: Quiz#7	Feb 17
Project#5	March 3
Water in Earth's Systems: Quiz #8	March 14
Projcet #6	March 30
Resources affecting environment: Quiz #9	April 4
Test #3	April 7
Gravity affects matter: Quiz #10	April 28
Project #7	May 12
Sky patterns over time: Quiz #11	May 16
Project #8	May 31

The Sun: Quiz #12	June 9
Test #6	June 13