

## **Tokyo International Progressive School**

### **Grades 4-5 Science Course Outline**

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**“Somewhere, something incredible is waiting to be known.”**

**— Carl Sagan**

### **DESCRIPTION OF COURSE**

Grade 4-5 Science topics include:

“Body Systems and Cells” : Common Diseases, Spreading of Germs, Preventing Disease

“Body Systems and Cells” : Senses, Human Body, Health and Wellbeing

“The Solar System” : The Sun, the Structure of the Solar System, Gravity and Orbit

“Chemical Changes”: Habitat, Natural Resources, Conservation of Materials and Resources

In this course, we will first learn about different types of diseases and how these diseases can be possibly spread. Following this, we will learn about the human body, including its structure and what we can do to help keep strong and resilient. In the second half of the school year, we will take a journey away from our planet into the galaxy to learn about the solar system. In the last part of the school year we will learn about chemical changes that take place within the different habitats of planet earth, and learn about what we can do to conserve these different habitats.

To each class period, you will bring your personal laptop, pencil case, student folder, planner, and personal growth folder. The teacher will provide printed out textbook handouts, as well as additional handouts. The textbook that will be used for this course is: California Science Grade 4.

### **EARNING YOUR GRADE**

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

**1) Prepared/Punctual/Productive. Positive/Pleasant/Polite - 10% of your grade.**  
This is a grade you receive for your performance during every class. You are punctual if you are in your seat when the bell stops ringing.

**2) Daily work – 25% of your grade.**

Daily work is anything we complete in class including practical experiments, worksheets, and discussions.

**3) Projects – 25% of your grade.**

Projects are longer tasks, designed to practice skills including research, organization, group work, and presentation. They will usually take more than one class period to complete.

#### 4) **Quizzes** – 20% of your grade

Short assessments between 5-10 questions, taking 5-10 minutes to complete. Used to check your progress throughout the course.

#### 5) **Unit Wrap-up Activity** – 20% of your grade

A flexible activity that allows students to show their learning.

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**

<b>Date</b>	<b>Unit Wrap-Up Activity</b>
October 30th	Body Systems and Cells Part 1
January 22nd	Body Systems and Cells Part 2
April 9th	The Solar System
June 11th	Chemical Changes

### **Classroom Expectations**

Students are expected to follow these expectations every day:

1. 6Ps (Positive, Pleasant, Polite, Productive, Punctual Prepared)
2. 4 legs of my chair on the floor at all times
3. I do not touch other people or their things
4. I ask the teacher if I need help with anything
5. I raise my hand to ask questions
6. I use my indoor voice in the classroom
7. I am flexible and give everyone else a chance
8. I remember to enjoy, be helpful, and think about others

\* Food and drink is not allowed in the classroom, with the exception of water in a sealed container.