

## **Science 5th Grade Course Outline**

Tokyo International Progressive School  
Room 24  
Mr. Jeffrey Visser

### **Course Description**

In the course, students will use the HMH Into Science resources to explore various themes. The themes we will touch on should include.

- Space Systems: Stars and the Solar System: Gravitation force by Earth, Stars and Patterns of daily change.
- Earth's Systems: Interaction of the geosphere, biosphere, hydrosphere and atmosphere. Distribution of water on Earth and the Use of science to protect the Earth.
- Structure and Properties of Matter: Particles of matter, Types of change, Properties of materials and Mixing of substances.
- Matter and Energy in Organisms and Ecosystems: Energy in animals' food, Plant growth and Movement of matter in the ecosystem.
- Engineering Design: Define a problem, Generate solutions and Plan and test prototypes.

### **Student Expectations**

Students will be required to bring their pencil case, water bottle, computer, notebook and folder. Students will not be allowed to eat or drink anything else but water or tea during class. Once students enter the classroom, they are expected to follow the instructions for the day and participate in class discussions.

Students will be given worksheets (on paper or Google Classrooms) and a textbook that they can get themselves out of the closet and should be put back at the same place at the end of class. If a textbook is not returned in a usable condition by the required date, the family will be asked to pay for a replacement book.

If an assignment is not submitted on time by the due date, a 0 will be put on their grade sheet and the student will be required to attend WIN to complete the assignment. If a student requires more time to complete the assessment, it will be the student's responsibility to inform the teacher and give a valid reason for requiring extra time. If the teacher deems the reason legitimate, the teacher will set a new due date for the assignment. If a student is unable to complete the assignment by the new date a zero will be the grade for this assignment.

### **Earning Your Grade**

Your grade will be determined by your work in the following categories:

6P's Students are expected to be positive, pleasant, polite, prepared, punctual and productive in class.	10%
Daily Work Any in-class assignment or activity completed in a day. This include participating in class discussions.	25%
Quizzes Short assessments between 5-10 questions.	20%
Progress Test Progress Tests are summative assessments given at the end of every unit to cover all material learned in that unit.	20%
Projects There will be a formal writing project at the end of each unit. These will typically require multiple days to complete. Students are expected to use grade appropriate grammar and vocabulary. Projects may include additional elements such as research, organization, group work, and/or a presentation that could require additional time spent outside of class. There will be a formal project at the end of each unit.	25%

The grading for this course will be:

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

### Important Dates

Please note that dates are tentative and may change according to student needs.

Students will be assessed with quizzes on a bi-weekly basis and progress test or projects on a monthly basis. Students may also be required to work on longer project assignments involving researching and/or presentations. Projects will take several lessons to complete and will be scheduled at least once per quarter.