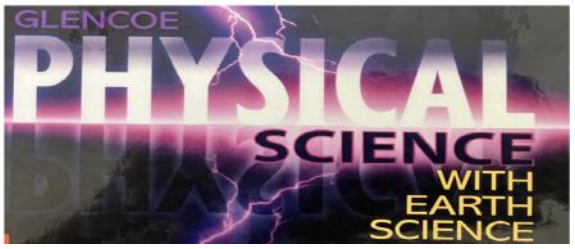
Tokyo International Progressive School

Grade 10 -PHYSICAL SCIENCE-2 -Course Outline 2025-2026

Mrs .Priya Pillai- Room 35



DESCRIPTION OF THE COURSE

Course Overview:

Grade 10 Physical Science is designed to ignite curiosity across various scientific disciplines, including physics, chemistry, Earth science, and space science, through engaging interactive and hands-on activities. This course equips students with valuable skills and abilities applicable to everyday life, emphasizes safe working practices, and fosters effective communication.

Students will have ample opportunities to:

- Identify and evaluate valid sources of information.
- Collaborate effectively as group members.
- Utilize technology to access, filter, and retrieve information efficiently.

The textbook for this course is **Glencoe Physical Science** with Earth Science.

STUDENT EXPECTATIONS

Student Expectations:

Students are required to bring the following materials to each class:

- Pencil
- Eraser
- Ruler
- Pen
- Laptop (only to be used when instructed)
- Scientific calculator
- Headphones (only to be used when instructed by the teacher)
- Agenda
- Science binder or notebook
- Relevant textbook
- Completed assignments or work due
- Worksheet folder
- Pair of scissors
- Glue stick
- Color pencils

Additional Rules:

- No cell phones/mobile phones are allowed in the science lab.

Teacher's Expectations:

- Do not enter the science lab without permission.
- Wait outside if a class is still in session—do not barge in.
- Bring only your study materials to class and have them ready on your desk.
- Keep personal belongings in your bag and store them in the locker assigned to you.
- Bring your own textbook (with the allotted number) only when instructed by the teacher.

- Use your agenda daily to record homework assignments and/or reminders.
- Daily work and worksheets will be assessed and marked.
- Late submissions of worksheets, home assignments, or projects will initially be marked as zero. The mark may be changed upon submission of the assignment.
- Missed Tests: If you miss a test without notifying the school/teacher at least one week in advance or without providing a note explaining your absence, you will receive a zero. There is no option to retake the test.
- Textbook Responsibility: A textbook will be issued to each student on the first day of school. If the textbook is not returned in usable condition by the required date, your family will be responsible for the cost of a replacement.
- Eating and drinking in the science lab is strictly prohibited.
- The class will follow the school's 6Ps expectations and students are expected to work to the best of their ability.
- If there are any issues or problems affecting your ability to participate in class, you must communicate with the teacher before class starts (e.g., talk to, email, or write a note) to arrange necessary accommodations.
- Restroom Breaks and Water: Students should use the restroom and fill their water bottles before class begins.
- Final Week of the Semester: No late or missing work will be accepted one week before the end of the semester to allow sufficient time for grading and submission into Quickschools.
- Students are responsible for keeping track of their grades and missing assignments, and should speak with the teacher about any concerns.
- If you are struggling or need help, it is your responsibility to ask the teacher for assistance or request extended time before the assignment's due date. Last-minute requests may not be accommodated.
- Students needing additional help or practice on a topic/assignment, or those who need to catch up with the class, are encouraged to join WIN for additional support. Please speak with the teacher before attending WIN to ensure availability. Parents will be informed accordingly.
- Regular revision at home is expected to achieve the best grades.
- Each lesson will conclude with a quiz in MCQ format.
- Each quarter will end with a progress test.
- Each quarter will include one individual project.
- Daily Work Assessment: Classwork will be marked based on classroom interaction, timely submission of worksheets, and classroom written work.
- Students are to respect themselves, each other, and their environment.

The above expectations will be read out in class at the beginning of the academic year and revisited every quarter to ensure the smooth functioning of the classes throughout the year.

EARNING YOUR GRADE

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

Category	**Percentage of your Grade**
Daily work	30%
Quiz	20%
Project	30%
Progress Test	20%

THE GRADING SCALE FOR THIS COURSE WILL BE:

Letter Grade	Range of Marks
A+	98 to 100
A	93 to 97
B+	90 to 92
B	85 to 89
C+	82 to 84
C	77 to 81
D+	74 to 76
D	70 to 73
F	69 or below

IMPORTANT ESTIMATED DATES			
LESSON	**NAME OF THE LESSON**	**PROGRESS TEST**	**DATE**
LESSON 14	**SOLIDS,LIQUIDS AND GAS**	**Progress Test-1** Lesson 14 to Lesson 17	**October 20th**
LESSON 15	**CLASSIFICATION OF MATTER**		
LESSON 16	**PROPERTIES OF ATOMS AND THE PERIODIC TABLE**		
LESSON 17	**ELEMENTS AND THEIR PROPERTIES**		
LESSON 18	**CHEMICAL BONDS**	**Progress Test-2** Lesson 18 to Lesson 21	**January 14th**
LESSON 19	**CHEMICAL REACTIONS**		
LESSON 20	**RADIOACTIVITY AND NUCLEAR REACTIONS**		
LESSON 21	**SOLUTIONS**		
LESSON 22	**ACIDS, BASES AND SALTS**	**Progress Test-3** Lesson 22 to Lesson 24	**March 27th**
LESSON 23	**ORGANIC COMPOUNDS**		
LESSON 24	**NEW MATERIALS THROUGH CHEMISTRY**		
LESSON 28	**WEATHER AND CLIMATE**	**Progress Test 4** Lesson 28 to Lesson 31	**June 4th**
LESSON 29	**THE EARTH-MOON -SUN SYSTEM**		
LESSON 30	**THE SOLAR SYSTEM**		
LESSON 31	**STARS AND GALAXIES**		

Project submissions dates

Term 1	October 15th 2025
Term-2	January 12th 2026
Term-3	March 24th 2026
Term-4	May 29th 2026

Disclaimer-Please note- Dates may be subject to change.