Tokyo International Progressive School

Grade 11-Chemistry -Course Outline 2025-2026

Mrs .Priya Pillai, Room 35

DESCRIPTION OF THE COURSE

Course Overview:

This course will delve into the fascinating world of chemistry. Students will explore the properties and characteristics of atoms and learn how they interact to form compounds that are essential in our everyday lives. Through hands-on lab experiences, students will gain skills in identifying, measuring, and quantifying compounds within reactions. The course textbook will be Pearson Chemistry.

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
- Colour 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 1	INTRODUCTION TO CHEMISTRY	**Progress Test-1** Lesson 1 to Lesson 5	**October 27th**
LESSON 2	MATTER AND CHANGE		
LESSON 3	SCIENTIFIC MEASUREMENT		
LESSON 4	ATOMIC STRUCTURE		
LESSON 5	ELECTRONS IN ATOMS		
LESSON 6	THE PERIODIC TABLE		
LESSON 7	IONIC AND METALLIC BONDING		
LESSON 8	COVALENT BONDING	**Progress Test-2** Lesson 6 to Lesson 12	**January 13th**
LESSON 9	CHEMICAL NAMES AND FORMULAS		
LESSON 10	CHEMICAL QUANTITIES		
LESSON 11	CHEMICAL REACTIONS		
LESSON 12	STOICHIOMETRY		
LESSON 13	STATES OF MATTER		
LESSON 14	THE BEHAVIOR OF GAS	**Progress Test-3** Lesson 13 to Lesson 19	**March 27th**
LESSON 15	WATER AND AQUEOUS SYSTEMS		
LESSON 16	SOLUTIONS		
LESSON 17	THERMOCHEMISTRY		
LESSON-18	REACTION RATES AND EQUILIBRIUM		
LESSON 19	ACIDS, BASES AND SALTS		
LESSON 20	OXIDATION-REDUCTION REACTIONS	**Progress Test-4** Lesson 20 to Lesson 25	**June 3rd**
LESSON 21	ELECTROCHEMISTRY		
LESSON 22	HYDROCARBON COMPOUNDS		
LESSON 23	FUNCTIONAL GROUPS		
LESSON 24	THE CHEMISTRY OF LIFE		
LESSON 25	NUCLEAR CHEMISTRY		

Project submissions dates

Term 1	October 20th 2025
Term-2	January 12th 2026
Term-3	March 26th 2026
Term-4	June 1st 2026

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