

# Tokyo International Progressive School

Grade 12, Biology Course Outline 2023-2024

Mrs Priya Pillai , Room 35



## **DESCRIPTION OF COURSE**

This course will cover a basic understanding of biology, chemistry, structure of cells and how they communicate, energy conversions, cell reproduction, genetics, gene expression, genetic engineering, origin of life, changes in organisms, ecosystems and succession, environmental problems and solutions, and the classification of living things. The textbook for this course is Glencoe Science Biology..

## **STUDENT EXPECTATIONS**

You must bring to class:

- ✓ Pencil
- ✓ Eraser
- ✓ Ruler
- ✓ Pen
- ✓ Laptop
- ✓ Headphones
- ✓ Agenda
- ✓ Science Binder or Notebook
- ✓ Relevant grading sheets/worksheets/textbooks
- ✓ Work due

**Getting ready:** When you come into class, get all of your materials out on the table in front of you, including your homework. To be on time for class, you must be at your desk with your materials out by the end of the bell. Please put any personal equipment in your bag and then put your bag safely under the table.

**Textbook:** A textbook will be given to each individual. If a numbered lent textbook is not returned in usable condition by the required date, your family will be asked to pay for a replacement for the book.

**Homework:** Please write your homework task down in your agenda.

**Late Daily Work:** Any daily assignments that are not submitted the following day, will receive a zero in their daily work mark. The mark will be changed upon submission of the assignment.

**Late Projects:** Any projects/lab reports that are late, without having made arrangements with the teacher at least one week prior, will have 2% of their total mark for that assignment deducted for each day it is late.

**Tests:** If you miss a test and did not discuss your absence with the teacher at least one week before the test or have a note explaining your absence, you will receive a zero on that test. There is no option to redo a test.

## **EARNING YOUR GRADE**

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

Grade Category	Percentage of your grade
Quiz	20%
Daily Work	30%
Project	30%
Test	20%

**The grading scale for this course will be:**

Letter grade	Mark range
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**

<b>BIOLOGY-1</b>			
<b>UNITS</b>		<b>CHAPTERS</b>	<b>DATES</b>
<b>UNIT-1</b>	1	THE STUDY OF LIFE	
	2	ECOLOGY	
	3	COMMUNITIES, BIOMES, AND ECOSYSTEMS	
	4	POPULATIONS	
	5	BIODIVERSITY AND CONSERVATION	
		<b>UNIT-1-EVALUATION</b>	<b>11.09.2023</b>
		<b>PROGRESS TEST-1</b>	<b>15.09.2023</b>
<b>UNIT-2</b>	6	CHEMISTRY REVIEW	
	7	CELLS	
	8	CELLULAR ENERGY	
	9	CELLULAR REPRODUCTION	
		<b>UNIT-2-EVALUATION</b>	<b>12.10.2023</b>
		<b>PROGRESS TEST-2</b>	<b>16.10.2023</b>
<b>UNIT-3</b>	10	SEXUAL REPRODUCTION AND GENETICS	
	11	COMPLEX INHERITANCE AND HUMAN HEREDITY	
	12	MOLECULAR GENETICS	
	13	GENETICS AND BIOTECHNOLOGY	
		<b>UNIT-3-EVALUATION</b>	<b>09.11.2023</b>
		<b>PROGRESS TEST-3</b>	<b>13.11.2023</b>

<b>UNIT-3</b>	14	THE HISTORY OF LIFE	
	15	EVOLUTION	
	16	PRIMATE EVOLUTION	
	17	ORGANIZING THE DIVERSITY OF LIFE	
		<b>UNIT-4-EVALUATION</b>	<b>01.12.2023</b>
		<b>PROGRESS TEST-3</b>	<b>07.12.2023</b>
<b>BIOLOGY-2</b>			
<b>UNIT-1</b>	1	BACTERIA AND VIRUSES	
	2	PROTISTS	
	3	FUNGI	
		<b>UNIT-1-EVALUATION</b>	<b>19.01.2024</b>
<b>UNIT-2</b>	4	INTRODUCTION TO PLANTS	
	5	PLANT STRUCTURE AND FUNCTION	
	6	REPRODUCTION IN PLANTS	
		<b>UNIT-2-EVALUATION</b>	<b>09.02.2024</b>
		<b>PROGRESS TEST-1</b>	<b>12.02.2024</b>
<b>UNIT-3</b>	7	INTRODUCTION TO ANIMALS	
	8	WORMS AND MOLLUSKS	
	9	ARTHROPODS	
	10	ECHINODERMS AND INVERTEBRATE CHORDATES	
		<b>UNIT-3-EVALUATION</b>	<b>14.03.2024</b>
<b>UNIT-4</b>	11	FISHES AND AMPHIBIANS	
	12	REPTILES AND BIRDS	
	13	MAMMALS	
	14	ANIMAL BEHAVIOUR	
		<b>UNIT-4-EVALUATION</b>	<b>15.04.2024</b>
		<b>PROGRESS TEST-2</b>	<b>17.04.2024</b>
<b>UNIT-5</b>	15	INTEGUMENTARY ,SKELETAL, AND MUSCULAR SYSTEMS	
	16	NERVOUS SYSTEM	
	17	CIRCULATORY, RESPIRATORY, AND EXCRETARY SYSTEMS	
	18	DIGESTIVE AND ENDOCRINE SYSTEM	
	19	HUMAN REPRODUCTION AND DEVELOPMENT	
	20	IMMUNE SYSTEM	
		<b>UNIT-5-EVALUATION</b>	<b>29.05.2024</b>
		<b>PROGRESS TEST-3</b>	<b>03.06.2024</b>

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