FORTNIGHTLY SYLLABUS PLANNING (2026-27)
CLASS IX
SUBJECT-SCIENCE

New Session begins on 1st April 2026				
S.no.	**Duration**	**No. of Teaching Days**	**Theory**	**Practical/ Activity**
1	1st April-15th April	10	Ch 2-Cell: The building block of life (Introduction) Ch 5-Exploring Mixtures and their Separation (Introduction) Ch: 4- Describing motion around us. (introduction).	
2	16th April- 30th April	11	Ch 2-Cell: The building block of life (Osmosis and Diffusion) Ch 5-Exploring Mixtures and their Separation (Solutions) Ch: 4- Describing motion around us. Continued…..	• Preparation of: a) a true solution of common salt, sugar and alum b) a suspension of soil, chalk powder and fine sand in water c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of transparency ,filtration, stability , Tyndall's effect
Unit Test: 4th May – 8th May 26				
3	1st May- 15th May	10	Ch 2-Cell:The building block of life Ch 5-Exploring Mixtures and their Separation (Concentration of solution) Ch: 4- Describing motion around us. Continued…..	• Preparation of stained temporary mounts of (a) onion peel/ Rhoeo leaf (b) human cheek cells to record observations and draw their labeled diagrams
4	16th May-31st May	5	----------	
Summer Vacations:25th May – 30th June 26				
5	1st July- 15th July	11	Ch 2-Cell:The building block of life (contd.) Ch 5-Exploring Mixtures and their Separation (Separation techniques) . Ch: 4- Describing motion around us. Continued…..	• Plotting of distance-time and velocity time graphs using an inclined plane. • Separation of components of mixtures using different techniques: a) Oil and water -Separating Funnel b) Colours in black ink - Paper Chromatography c) Ammonium chloride and common salt - Sublimation d) Muddy water using alum- Coagulation
6	16th July-31st July	12	Ch 3 Tissues in Action (Introduction) Ch 5-Exploring Mixtures and their Separation (contd.) Ch. 8 Journey Inside the Atom (Introduction) Ch:6 – How Forces affect motion (introduction).	• Verification of Newton's Second Law of Motion using a trolley, pulley and hanging
Periodic Test-1: 31st July – 7th August 26				
7	1st Aug- 15th Aug	10	Chapter 3 Tissues in Action (Plants &Animal tissue) Ch. 8 Journey Inside the Atom (Discovery of electrons, protons and electrons. Rutherford's model of atom) Ch:6 – How Forces affect motion. Continued…..	• To study and identify tissues in plants (Parenchyma, Collenchyma and Sclerenchyma) and animals (striped, smooth and cardiac muscle fibers) from prepared slides. Draw their labeled diagrams.

8	16th Aug- 31st Aug	9	Chapter 3 Tissues in Action (contd.) Ch. 8 Journey Inside the Atom (atomic models, Isotopes and Isobars) Ch:6 – How Forces affect motion. Continued….. Ch:7 Work energy and simple machines.(only Work).	• Verification of law of conservation of energy using a simple pendulum.
Internal Assessment for Periodic Test 2: April 26 – Sept 26 **Syllabus Completion for Periodic Test 2: 31st Aug 2026**				
9	1st Sept-15th Sept	8	**REVISION**	
Periodic Test 2: 14th Sept- 25th Sept 26				
10	16th Sept – 30th Sept	3	Ch 11 Reproduction: How Life Continues (Asexual reproduction) Ch:7 Work energy and simple machines. Continued…..	• To study (a) budding in yeast and Hydra (b) spore formation in bread mold with the help of prepared slides
11	1st Oct- 15th Oct	10	Ch 11 Reproduction: How Life Continues (Sexual reproduction in Plants) Ch .9 Atomic Foundations of Matter(Introduction,) Ch:7 Work energy and simple machines. Continued…..	• Determination of speed of a pulse propagated through a stretched string/ slinky (helical spring) • To study and identify different parts of a typical bisexual flower. Draw labeled diagrams.
Autumn Break- 17th Oct – 20th Oct 26				
12	16th Oct-31st Oct	8	Ch 11 Reproduction: How Life Continues (Sexual reproduction in Animals) Ch .9 Atomic Foundations of Matter(Laws of chemical combination) Ch:7 Work energy and simple machines. Continued…..	• Calculation of Mechanical Advantage of a lever using the formula M.A= Load /Effort.
13	1st Nov -15th Nov	7	Ch. 12 Patterns in Life: Diversity and Classification (Introduction) Ch .9 Atomic Foundations of Matter (How atoms combine?) Ch:7 Work energy and simple machines. Continued…..	• Verification of the law of conservation of mass in a chemical reaction
Diwali Break : 7th Nov – 11th Nov 26				
14	16th Nov-30th Nov	9	Ch. 12 Patterns in Life: Diversity and Classification (Classification of Living Organisms) Ch .9 Atomic Foundations of Matter (writing chemical formulae) Ch:7 Work energy and simple machines. Continued…..	
Periodic Test 3: 7th Dec – 14th Dec 26				
15	1st Dec- 15th Dec	11	Ch. 12 Patterns in Life: Diversity and Classification (5 kingdom classification) Ch .9 Atomic Foundations of Matter(contd) Ch:10- Sound waves characteristics and applications. (Introduction)	• To study the Specimens/virtual specimens/slides/models for identification– (a) Spirogyra, mushroom, moss, fern, pine cone (b) Amoeba, Hydra, tapeworm, Ascaris, earthworm, butterfly, snail, starfish
16	16th Dec-31st Dec	7	Ch. 12 Patterns in Life: Diversity and Classification (Animalia) Ch: 13- Earth as a system: Energy matter and life. (Introduction)	

			Ch:10- Sound waves characteristics and applications. Continued…..	
Winter Break- 28th Dec - 8th Jan 27				
17	1st Jan -15th Jan	5	Ch. 12 Patterns in Life: Diversity and Classification (Adaptations as Outcomes of Structural Change) Ch: 13- Earth as a system: Energy matter and life. Continued…. Ch:10- Sound waves characteristics and applications. Continued…..	
18	15th Jan- 31st Jan	9	Ch. 12 Patterns in Life: Diversity and Classification (Binomial nomenclature) Ch: 13- Earth as a system: Energy matter and life. Continued…. Ch:10- Sound waves characteristics and applications. Continued…..	
Syllabus Completion for Annual Examination: 29th January 27				
19	1st Feb - 15th Feb	5	**REVISION**	
Internal Assessment for Annual Examination: October 26 – January 27				
Annual Examination Begins: 8th February 27				

SYLLABUS FOR ASSESSMENT

Exam	Test Date	Syllabus
UNIT TEST	**11.5.26**	Bio Ch.2 Cell:The building block of life (Uptil Nucleus) Chem -Ch5 Exploring Mixtures and their Separation(uptil solutions). Ch:4 Describing motion around us. (till acceleration).
PERIODIC TEST 1	**5.8.26**	Bio Ch.2 Cell:The building block of life Chem- Ch5 Exploring Mixtures and their Separation(till page 82) Ch:4 Describing motion around us.).
PERIODIC TEST 2	**14.09.26**	Bio Ch.2 Cell:The building block of life ,Ch3-Tissues in action ;Chem- Ch5 Exploring Mixtures and their Separation Ch. 8 Journey Inside the Atom. Ch:4 Describing motion around us. Ch:6 How forces effect motion. Ch:7 Work energy and simple machines (only work).
PERIODIC TEST 3	**14.12.26**	Bio-Ch 11 Reproduction: How Life Continues (Sexual reproduction in Plants) Ch .9 Atomic Foundations of Matter (How atoms combine? till page 171) Ch:7 Work energy and simple machines Ch:10- Sound waves characteristics and applications (till page no. 193)
ANNUAL EXAMINATION	**-----**	Bio-2,3,11,12 Chem-5,8,9,13 Phy- 4,6,7,10