



**BLOOM PUBLIC SCHOOL**  
*C-8 Vasant Kunj New Delhi*  
**SYLLABUS FOR THE SESSION 2021-22**

**Class: IX**

**Subject: Science**

<b>MONTH</b>	<b>CHAPTERS (NCERT TEXT BOOK)</b>	<b>CONTENT (As per Rationalised Syllabus)</b>
<b>April</b>	Ch: 1. Matter in Our surroundings.  Ch: 8. Motion	Motion: Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration, distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion, derivation of equations of motion by graphical method; elementary idea of uniform circular motion.
<b>June</b>	Ch: 1. Matter in Our surroundings (cont'd)  Ch: 8 Motion (cont'd)  Ch: 5. The fundamental unit of life	Motion: Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration, distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion, derivation of equations of motion by graphical method; elementary idea of uniform circular motion.  The Fundamental Unit of Life Cell - Basic Unit of life: Cell as a basic unit of life; prokaryotic and eukaryotic cells, multicellular organisms; cell membrane and cell wall, cell organelles and cell inclusions; chloroplast, mitochondria, vacuoles, endoplasmic

		reticulum, Golgi apparatus; nucleus, chromosomes - basic structure, number.
<b>July</b>	Ch: 8 Motion (cont'd.)	Motion: Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration, distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion, derivation of equations of motion by graphical method; elementary idea of uniform circular motion.
	Ch:2: Is Matter around us pure(cont'd)	Nature of matter: Elements, compounds and mixtures. Heterogeneous and homogenous mixtures, colloids and suspensions.
	Ch 6: Tissues	Chapter – 6 Tissues Tissues, Organs, Organ System, Organism: Structure and functions of animal and plant tissues (only four types of tissues in animals; Meristematic and Permanent tissues in plants).
	<b>Periodic Assessment-1</b>	Ch 1, 5 & 8
<b>August</b>	Ch:6: Tissues (cont'd)	Chapter – 6 Tissues Tissues, Organs, Organ System, Organism: Structure and functions of animal and plant tissues (only four types of tissues in animals; Meristematic and Permanent tissues in plants).
	Ch:2: Is Matter around us pure(cont'd)	Ch:2: Is Matter around us pure Nature of matter: Elements, compounds and mixtures. Heterogeneous and homogenous mixtures, colloids and suspensions.
	Ch:9. Force & Laws of motion.	Chapter – 9 Force and Laws of Motion Force and Newton's laws: Force and Motion, Newton's Laws of Motion, Action and Reaction forces, Inertia of a body, Inertia and mass, Momentum, Force and Acceleration. Elementary idea of conservation of Momentum.

<p><b>September</b></p>	<p>Ch:6: Tissues (cont'd)</p> <p>Ch:2: Is Matter around us pure(cont'd)</p> <p>Ch:9. Force &amp; Laws of motion.</p> <p><b>Periodic Assessment-2</b></p>	<p>Chapter – 6 Tissues- Tissues, Organs, Organ System, Organism: Structure and functions of animal and plant tissues (only four types of tissues in animals; Meristematic and Permanent tissues in plants).</p> <p>Ch:2: Is Matter around us pure Nature of matter: Elements, compounds and mixtures. Heterogeneous and homogenous mixtures, colloids and suspensions.</p> <p>Chapter – 9 Force and Laws of Motion Force and Newton's laws: Force and Motion, Newton's Laws of Motion, Action and Reaction forces, Inertia of a body, Inertia and mass, Momentum, Force and Acceleration. Elementary idea of conservation of Momentum.</p> <p>Ch 2, 6, 9</p>
<p><b>October</b></p>	<p>Ch:3: Atoms and Molecules (cont'd)</p> <p>Ch: 10. Gravitation</p> <p>Ch 13. Why do we fall ill?</p>	<p>Chapter – 3 Atoms and Molecules Particle nature and their basic units: Atoms and molecules, Law of constant proportions, Atomic and molecular masses. Mole concept: Relationship of mole to mass of the particles and numbers.</p> <p>Chapter – 10 Gravitation: Gravitation; Universal Law of Gravitation, Force of Gravitation of the earth (gravity), Acceleration due to Gravity; Mass and Weight; Free fall.</p> <p>Chapter – 13 Why do we fall ill Health and Diseases: Health and its failure. Infectious and Non-infectious diseases, their causes and manifestation. Diseases caused by microbes (Virus, Bacteria and Protozoans) and their prevention; Principles of treatment and prevention. Pulse Polio programs.</p>

	<b>Term-I End Exam</b>	Ch 2, 5, 6, 8 & 9
<b>November</b>	<p>Ch 3: Atoms and Molecules</p> <p>Ch: 10. Gravitation (cont'd)</p> <p>Ch:11: Work &amp; Energy</p> <p>Ch:13. Why do we fall ill?</p>	<p>Chapter – 3 Atoms and Molecules Particle nature and their basic units: Atoms and molecules, Law of constant proportions, Atomic and molecular masses. Mole concept: Relationship of mole to mass of the particles and numbers.</p> <p>Chapter – 10 Gravitation Gravitation: Gravitation; Universal Law of Gravitation, Force of Gravitation of the earth (gravity), Acceleration due to Gravity; Mass and Weight; Free fall.</p> <p>Chapter – 11 Work and Energy Work, energy and power: Work done by a Force, Energy, power; Kinetic and Potential energy; Law of conservation of energy.</p> <p>Chapter – 13 Why do we fall ill Health and Diseases: Health and its failure. Infectious and Non-infectious diseases, their causes and manifestation. Diseases caused by microbes (Virus, Bacteria and Protozoans) and their prevention; Principles of treatment and prevention. Pulse Polio programmes.</p>
<b>December</b>	<p>Ch:4: Structure of Atom (cont'd)</p> <p>Ch: 11: Work &amp; Energy(cont'd)</p> <p>Ch: 13. Why do we fall ill?</p>	<p>Chapter – 4 Structure of Atom Structure of atoms: Electrons, protons and neutrons, valency, chemical formula of common compounds. Isotopes and Isobars.</p> <p>Chapter – 11 Work and Energy Work, energy and power: Work done by a Force, Energy, power; Kinetic and Potential energy; Law of conservation of energy.</p> <p>Chapter – 13 Why do we fall ill Health and Diseases: Health and its failure.</p>

		Infectious and Non-infectious diseases, their causes and manifestation. Diseases caused by microbes (Virus, Bacteria and Protozoans) and their prevention; Principles of treatment and prevention. Pulse Polio programmes.
<b>January</b>	Ch:4: Structure of Atom (cont'd)  Ch: 11: Work & Energy(cont'd)  Ch: 13:Why do we fall ill (cont'd)  <b>Periodic Assessment-3</b>	Chapter – 4 Structure of Atom Structure of atoms: Electrons, protons and neutrons, valency, chemical formula of common compounds. Isotopes and Isobars.  Chapter – 11 Work and Energy Work, energy and power: Work done by a Force, Energy, power; Kinetic and Potential energy; Law of conservation of energy.  Chapter – 13 Why do we fall ill Health and Diseases: Health and its failure. Infectious and Non-infectious diseases, their causes and manifestation. Diseases caused by microbes (Virus, Bacteria and Protozoans) and their prevention; Principles of treatment and prevention. Pulse Polio programmes.  Ch 3, 10 & 13
<b>February</b>	Ch:14: Natural Resources Revision	
<b>March</b>	<b>TERM-II EXAM</b>	Ch 3, 4, 10, 11 & 13

## ASSESSMENTS SYLLABUS

### 1. Periodic Assessment-1 (July)

Ch: 1 Matter in our surroundings.

Ch: 5: The fundamental unit of life

Ch: 8 Motion.

### 2. Periodic Assessment-2 (Sep)

Ch: 2. Is matter around us pure.

Ch: 6: Tissues.

Ch: 9: Force and Laws

### 3. Term I End Exam (Oct)

Ch: 2. Is matter around us pure.

Ch: 5: The fundamental unit of life

Ch: 6: Tissues.

Ch: 8 Motion

Ch: 9: Force and Laws

### 4. Periodic Assessment-3 (January)

Ch:3: Atoms and Molecules

Ch:10: Gravitation.

Ch 13: Why do we Fall ill?

### 5. Term 2 End Exam (March)

Chapter – 3 Atoms and Molecules

Chapter – 4 Structure of Atom

Chapter – 10 Gravitation

Chapter – 11 Work and Energy

Chapter – 13 Why do we fall ill

