

PHASE 1			
Ch. No.	Chapter Name	Subtopics	PT1 portion Total Marks: 80 Duration: 3 hours
1	Matter in Our Surroundings	<ul style="list-style-type: none"> Physical nature of matter Characteristics of particles of matter States of matter Can matter change its state? Evaporation 	<ul style="list-style-type: none"> Physical nature of matter Characteristics of particles of matter States of matter Can matter change its state? Evaporation
5	The Fundamental Unit of Life	<ul style="list-style-type: none"> What are living organisms made up of? What is a cell made up of? What is the structural organization of a cell? Cell division 	<ul style="list-style-type: none"> What are living organisms made up of? What is a cell made up of? What is the structural organization of a cell? Cell division
7	Motion	<ul style="list-style-type: none"> Describing Motion Measuring the rate of motion Rate of change of velocity Graphical representation of motion Uniform circular motion 	<ul style="list-style-type: none"> Describing Motion Measuring the rate of motion Rate of change of velocity Graphical representation of motion Uniform circular motion

PHASE 2			
Ch. No.	Chapter Name	Subtopics	PT2 portion Total Marks: 80 Duration: 3 hours
			PT1 portion is included
2	Is Matter around Us Pure?	<ul style="list-style-type: none"> What is a mixture? What is a solution? Physical and chemical changes What are the types of pure substances? 	<ul style="list-style-type: none"> What is a mixture? What is a solution? Physical and chemical changes What are the types of pure substances?
6	Tissues	<ul style="list-style-type: none"> Are plants and animals made of same types of tissues? Plant Tissues Animal Tissues 	<ul style="list-style-type: none"> Are plants and animals made of same types of tissues? Plant Tissues Animal Tissues
8	Force and Laws of Motion	<ul style="list-style-type: none"> Balanced and unbalanced forces First law of motion Inertia and Mass Second law of motion Third law of motion 	<ul style="list-style-type: none"> Balanced and unbalanced forces First law of motion Inertia and Mass Second law of motion Third law of motion
11	Sound	<ul style="list-style-type: none"> Production of sound Propagation of sound Reflection of sound Range of hearing Applications of ultrasound 	<ul style="list-style-type: none"> Production of sound Propagation of sound Reflection of sound Range of hearing Applications of ultrasound

Subject: Science

**Syllabus Indicator and Exam Portion
CBSE – 2023-24**

Grade: IX

PHASE 3			
Ch. No.	Chapter Name	Subtopics	PT3 portion
			Total Marks: 80 Duration: 3 hours
			PT1 and PT2 portions are included
3	Atoms and Molecules	<ul style="list-style-type: none">▪ Laws of chemical combination▪ What is an atom?▪ What is a molecule?▪ Writing chemical formulae▪ Molecular mass	<ul style="list-style-type: none">▪ Laws of chemical combination▪ What is an atom?▪ What is a molecule?▪ Writing chemical formulae▪ Molecular mass
9	Gravitation	<ul style="list-style-type: none">▪ Gravitation▪ Free Fall▪ Mass▪ Weight▪ Thrust and Pressure▪ Archimedes' Principle	<ul style="list-style-type: none">▪ Gravitation▪ Free Fall▪ Mass▪ Weight▪ Thrust and Pressure▪ Archimedes' Principle
12	Improvement in Food Resources	<ul style="list-style-type: none">▪ Improvement in crop yields▪ Animal Husbandry	<ul style="list-style-type: none">▪ Improvement in crop yields▪ Animal Husbandry

Subject: Science

**Syllabus Indicator and Exam Portion
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Grade: IX

PHASE 4			
Ch. No.	Chapter Name	Subtopics	YE portion
			Total Marks: 80 Duration: 3 hours
			PT1, PT2 and PT3 portions are included
4	Structure of the Atom	<ul style="list-style-type: none">▪ Charged particles in matter▪ The structure of an atom▪ How are electrons distributed in different orbits (shells)?▪ Valency▪ Atomic number and mass number▪ Isotopes▪ Isobars	<ul style="list-style-type: none">▪ Charged particles in matter▪ The structure of an atom▪ How are electrons distributed in different orbits (shells)?▪ Valency▪ Atomic number and mass number▪ Isotopes▪ Isobars
10	Work and Energy	<ul style="list-style-type: none">▪ Work▪ Energy▪ Rate of doing work	<ul style="list-style-type: none">▪ Work▪ Energy▪ Rate of doing work