**MODERN SCHOOL**

**SCIENCE SYLLABUS (2025-2026)**

**CLASS- IX SUBJECT- BIOLOGY**

**Book prescribed: NCERT**

**Month-wise Syllabus**

| **CHAPTER’S NO.** | **MONTH** | **CHAPTER’S NAME** |
| --- | --- | --- |
| **CH – 5** | **APRIL** | **THE FUNDAMENTAL UNIT OF LIFE (TO BE CONTINUED)** |
| **CH – 5** | **MAY** | **THE FUNDAMENTAL UNIT OF LIFE** |
| **CH - 6** | **JULY** | **TISSUES ( TO BE CONTINUED)** |
| **CH –6** | **AUGUST** | **TISSUES** |
|  | **SEPTEMBER** | **REVISION** |
| **CH – 12** | **OCTOBER** | **HALF-YEARLY EXAMINATION** |
| **CH - 12** | **NOVEMBER** | **IMPROVEMENT IN FOOD RESOURCES( TO BE CONTINUED)** |
| **CH - 12** | **DECEMBER** | **IMPROVEMENT IN FOOD RESOURCES** |
|  | **JANUARY** | **REVISION** |
|  | **FEBRUARY** | **ANNUAL EXAMINATION** |

**PRACTICALS :**

| **S. No.** | **MONTH** | **PRACTICAL** |
| --- | --- | --- |
| **1** | **APRIL** | **Preparation of stained temporary mounts of (a) Onion peel,**  **(b) Human cheek cells .** |
| **2** | **JULY** | **Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibres and nerve cells in animals, from prepared slides. Draw their labelled diagrams. (TO BE CONTINUED)** |
|  | **AUGUST** | **Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibres and nerve cells in animals, from prepared slides. Draw their labelled diagrams.** |

| **PT-1** | **MAY** | **CH- 5 THE FUNDAMENTAL UNIT OF LIFE( till functions of nucleus)** |
| --- | --- | --- |
| **PT-2** | **AUGUST** | **CH-6 TISSUES ( Plant tissues only )** |
| **HALF YEARLY EXAM** | **SEPTEMBER** | **CH- 5 THE FUNDAMENTAL UNIT OF LIFE**  **CH-6 TISSUES** |
| **PT-3** | **DECEMBER** | **CH- 12 THE IMPROVEMENT IN FOOD RESOURCES (excluding animal husbandry)** |
| **ANNUAL EXAM** | **FEBRUARY** | **CH- 5 THE FUNDAMENTAL UNIT OF LIFE**  **CH-6 TISSUES**  **CH- 12 THE IMPROVEMENT IN FOOD RESOURCES** |

**MODERN SCHOOL**

**PROPOSED SCIENCE SYLLABUS (2025-2026)**

**CLASS- IX**

**SUBJECT- CHEMISTRY**

**Book prescribed: NCERT**

**Month-wise Syllabus**

| Month | Chapter No. | Chapter Tittle |
| --- | --- | --- |
| APRIL | 1 | Matter in our surroundings Upto gaseous state(TO BE CONTINUED) |
| MAY | 1 | Matter in our surroundings |
| JULY | 2 | Is matter around us pure Upto solution (TO BE CONTINUED) |
| AUGUST | 2 | Is matter around us pure? |
| SEPTEMBER |  | REVISION |
| OCTOBER | 3 | HALF YEARLY EXAMINATION  Atoms and molecules ((TO BE CONTINUED) |
| NOVEMBER | 3 | Atoms and molecules |
| DECEMBER | 4 | Structure of atom Upto valency(TO BE CONTINUED) |
| JANUARY | 4 | Structure of atom |
| FEBRUARY |  | REVISION AND ANNUAL EXAMINATION |

**LIST OF EXPERIMENTS---**

| **S. No.** | **MONTH** | **EXPERIMENT** |
| --- | --- | --- |
| **1** | **APRIL** | **Determination of the melting point of ice and boiling point of water.** |
| **2** | **JULY** | **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 criterion**  **• Stability** |
| **3** | **JULY** | **Preparation of a) A mixture**  **b) A compound using iron filings and sulphur powder and distinguishing between these on the basis of:**  **(i) Appearance, i.e., homogeneity and heterogeneity**  **(ii) Behavior towards a magnet**  **(iii) Behavior towards carbon disulphide as a solvent**  **(iv) Effect of heat** |
| **4** | **AUGUST** | **Perform the following reactions and classify them as physical or chemical changes: a) Iron with copper sulphate solution in water**  **b) Burning of magnesium ribbon in air**  **c) Zinc with dilute sulphuric acid**  **d) Heating of copper sulphate crystals**  **e) Sodium sulphate with barium chloride in the form of their solutions in water** |
| **5** | **OCTOBER** | **To verify law of conservation of mass.** |

| **PT-1** | **MAY** | **CH-1 MATTER IN OUR SURROUNDING** |  |
| --- | --- | --- | --- |
| **PT-2** | **AUGUST** | **CH-2 IS MATTER AROUND US PURE(UPTO SOLUTION)** |  |
| **HALF YEARLY EXAM** | **SEPTEMBER** | **CH-1 MATTER IN OUR SURROUNDING,CH-2 IS MATTER AROUND US PURE** |  |
| **PT-3** | **DECEMBER** | **CH-3 ATOM AND MOLECULES** |  |
| **ANNUAL EXAM** | **FEBRUARY** | **MATTER IN OUR SURROUNDING , IS MATTER AROUND US PURE ,ATOM AND MOLECULE ,STRUCTURE OF ATOM** |  |

**MODERN SCHOOL**

**CLASS- IX SCIENCE (PHYSICS) (2025-2026)**

| **CHAPTER NO.** | **MONTH** | **CHAPTER’S NAME** |
| --- | --- | --- |
| CH – 7 | APRIL | Motion : Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration |
| CH – 7 | MAY | Motion : distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion, elementary idea of uniform circular motion. |
| CH - 8 | JULY | Force and Laws of Motion : Force and Motion, Newton’s Laws of Motion, Action and Reaction forces, Inertia of a body, Inertia and mass, Momentum, Force and Acceleration. |
| CH –9 | AUGUST | Gravitation : Gravitation; Universal Law of Gravitation, Force of Gravitation of the earth (gravity), Acceleration due to Gravity; Mass and Weight; Free fall, Thrust and Pressure. Archimedes’ Principle; Buoyancy |
|  | SEPTEMBER | **HALF-YEARLY EXAMINATION** |
| CH – 10 | OCTOBER | Work and energy : Work done by a Force, Energy, power; Kinetic and Potential energy; Law of conservation of energy (excluding commercial unit of Energy). |
| CH - 11 | NOVEMBER | Sound : Nature of sound and its propagation in various media, speed of sound |
| CH - 11 | DECEMBER | Sound : range of hearing in humans; ultrasound; reflection of sound; echo |
|  | JANUARY | **REVISION** |
|  | FEBRUARY | **ANNUAL EXAMINATION** |

**SUBJECT- PHYSICS**

**Book prescribed: NCERT**

PRACTICALS

| S. No. | MONTH | PRACTICAL |
| --- | --- | --- |
| 1 | SEPTEMBER | Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder. |
| 2 | SEPTEMBER | Establishing the relation between the loss in weight of a solid when fully immersed in  a) Tap water  b) Strongly salty water with the weight of water displaced by it by taking at least two different solids |
| 3 | DECEMBER | Verification of the laws of reflection. |
| 4 | DECEMBER | Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring). |

| **PT-1** | **MAY** | **MOTION** |
| --- | --- | --- |
| **PT-2** | **AUGUST** | **Force and Laws of Motion** |
| **HALF YEARLY EXAM** | **SEPTEMBER** | **MOTION**  **Force and Laws of Motion**  **GRAVITATION** |
| **PT-3** | **DECEMBER** | **Work and energy** |
| **ANNUAL EXAM** | **FEBRUARY** | **MOTION**  **Force and Laws of Motion**  **GRAVITATION**  **Work and energy**  **SOUND** |

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