

RPS SCIENCE LEAGUE SYLLABUS

2026 – 2027

GRADE III

- Amazing World of Animals, Birds, Animals In Our Home, Houses,
- Insects Everywhere, Family, Water Our Necessity, Water – A precious Resource
- Means of Communication, Means of Transport

GRADE IV

- How do plants make food?, How do animals reproduce?, Adaptations in animals
- Exploring Our Solar System, Force, Work and Energy, Weather, Air and Water
- Matter, and Adaptations in Plants

GRADE V

- Reproduction in Plants, Adaptations in Animals, Matter, Simple Machines
- Air & Water, Food & Health, Rocks, Minerals and Soil, Bones and Muscles

GRADE VI

Physics

- Exploring Magnet, Temperature and Its Measurement
- Measurement of length and motion

Chemistry

- Material around us, Journey through states of water
- Methods of separation in everyday life

Biology

- The wonderful world of science, Diversity in the living world
- Mindful Eating; A Path to A Healthy Body and Mind

GRADE VII

Physics

- Electricity: Circuits and their components, Heat transfer in nature
- Measurement of time and motion

Chemistry

- Exploring Substances: Acidic Basic and Neutral, The World of metals and non – metals
- Changes around us, Physical and Chemical

Biology

- The ever evolving world of science, Adolescence: A stage of growth and change
- Life process in animals

GRADE VIII

Physics

- Exploring Forces, Electricity : Magnetic and Heating Effects
- Pressure, Winds, Storm and Cyclones, Light: Mirrors and Lenses

Chemistry

- Particulate Nature of Matter
- Nature of Matter: Elements, Compounds and Mixtures
- The Amazing World of Solutes, Solvents and Solutions

Biology

- Exploring the investigative world of science
- The Invisible Living World: Beyond our naked eye
- Health: The Ultimate Treasure
- How nature works in harmony

GRADE IX

Physics

- Describe Motion Around Us Conversion of Units, Vectors and Addition of Vectors
- How Forces Affect Motion, Pseudo Force, Tension Force and Normal Reaction
- Torque, Work, Energy and Simple Machines
- Spring Force and Spring Potential Energy
- Sound Waves: Characteristics and Applications, Gravitation

Chemistry

- Exploring mixture and their separation, Column Chromatography, Fractional Distillation, Journey inside the Atom, Discovery of subatomic particles, Spectrum, Line spectrum of hydrogen, Bohr's Model, Atomic Foundations of matter, Octet rule, Lewis approach, Metallic bonding

Biology

- Cell: The Building Block of Life, Tissues in Action, Reproduction: How life continues
- Introduction to Biotechnology, Traditional vs Modern Biotechnology
- Microbes as Tools in Biotechnology, Applications of Biotechnology in Daily Life

GRADE X

Physics

- Current Electricity, Magnetic Effects of Current, Light, Human Eye & Colourful world

Chemistry

- Chemical Reactions and Equations, Acid, Bases and Salts,
- Metals and Non-Metals, Carbon and its Compounds

Biology

- Life Processes, Control and Co-ordination in Animals and Plants, Reproduction
- Our Environment, Heredity and Evolution