

**SYLLABUS – CLASS 5**

THEMES	DETAILS
Vocabulary and Sentence Structure	Selecting the right word/ sentence, one word for many, idioms and phrases, rearranging words/sentence, word/ sentence completion, recognizing word meaning from context
Grammar	Using of time/ tense (past, present, future), synonyms, antonyms, singular/ plural, recognising grammatical errors and selecting/ forming appropriate questions, adjectives, adverbs, subject-verb agreement etc.
Riddles	Solving simple and funny riddles
Fundamental Operations on Numbers	Addition and subtraction, multiplication and division - advanced level, factors and multiples
Fractions	Basics of fractions
Decimals	Basics of decimals
Geometry	Lines, angles, circles, triangles
Time	Minutes, hour, days of the week, months, year
Money	Selling and buying, saving money, rate charts and bills, simple interest
Temperature	Units, conversion
Perimeter and Area	Finding the perimeter and area with given details
Pictograph	Calculating the values based on the pictographs given
Plants and Animals – Their Characteristics	Plant / animal cells, main components in the cells, growth and reproduction of living things
Human Body	Important organs and their functions- brain, heart, lungs, kidneys, eyes, ears, liver etc. Important human body systems- respiratory, digestive, skeletal, muscular, nervous system, circulatory system etc.

### Microorganisms

Virus, amoeba, bacteria, fungus etc. Healthy habits and safety consciousness.

### Matter and Energy

What is energy? Why do we need energy? Various sources of energy. Uses of electricity. Methods of saving electricity at home (switch off unnecessary electrical equipment, use of solar panels etc.)

### Simple Machines

Tools and machines used in everyday life, their uses and how they function

### Air and Water

Earth's atmosphere, layers of atmosphere, components of air, sea breeze, land breeze, water, formation of water, water cycle, evaporation, condensation, humidity, boiling point.

### Rocks and Soils

Formation of rocks, soils

### Space

Stars, solar system, earth, galaxy, space, satellites, space missions. Organisations which carry out space missions in India and abroad

### Evolution

Man's Evolution from Stone Age to River Valley Civilisation

### Our Constitution

Important aspects of our Constitution, preamble, Fundamental Rights and Duties, Directive principles, meanings of different terms, Universal adult franchise

### Indian Government

Our States and Union Territories, Central Government, State Government, and Local Government, the Legislature, the Executive and the Judiciary, Lok Sabha and Rajya Sabha, State Legislative Assembly, Local Government bodies, Elections.

### Continents and Oceans

Oceans, continents, countries, major rivers, mountains and deserts in the world, climates in various geographical regions (places).

### Our Country India

India – Location, neighbouring countries, climate, forests, Natural resources, Renewable and non-renewable resources, agriculture, industries, natural calamities

### The Solar System

Celestial Bodies, Solar and Lunar Eclipses

### Weather, Climate and Environment

Different climatic zones, atmospheric pressure and temperature, Greenhouse effect, pollution

### Transport and Communication

Evolution of transportation and communication systems through ages –from the invention of the wheels to rockets, and supersonic planes, from the stone carvings to e-mails and modern communication devices

### Sports and Games

Popular sports and games, popular sports persons