

CONCEPT CLASSES

CLASS VII

SOCIAL SCIENCE

HISTORY

S. No.	Concept	Sub - Concept
1	New Kings & Kingdoms'	<ul style="list-style-type: none"> * The Rajputs * Rivalry amongst kingdoms * Invasions from outside world * The Cholas
2	The Delhi Sultans & The Mughal Empire	<ul style="list-style-type: none"> * Turkish Rule * Khilji Dynasty * Tughlaq Dynasty * Invasion of Timur
		<ul style="list-style-type: none"> * The Mughal Emperors * The Administration of Mughals * Their Decline
3	The Making of Regional Cultures & 18th Century Political Formations	<ul style="list-style-type: none"> * Architectures of India * Hindu Temples * Islamic Architecture * Shahjahan - The Architectural King * Monuments a Source of History
		<ul style="list-style-type: none"> * The Bhakti Movement * Islam & The Sufi Movement * Women Bhakti Saints * Sant Kabir * Guru Nanak & Sikhism * Pilgrimage
		<ul style="list-style-type: none"> * Development of Languages - Arabic, Persian, Sanskrit, Hindi, Urdu and other regional languages * Regional Text as Sources * Development of Music, Dance, Painting
		<ul style="list-style-type: none"> * Sources * Later Mughals * Reasons- Decline of Mughal Empire

GEOGRAPHY

S. No	Concept	Sub-Concept
4	Environment	<ul style="list-style-type: none"> * Natural Environment & its components * Human Environment & How Humans have modified the Environment
		<ul style="list-style-type: none"> * Structure of the Earth
5	Inside Our Earth & Our Changing Earth	<ul style="list-style-type: none"> * Rocks & Minerals
		<ul style="list-style-type: none"> * Earth Movements - Volcano, Earthquake
		<ul style="list-style-type: none"> * Major Landforms - Work of River & Sea * Major Landforms - Work of Ice & Wind
		<ul style="list-style-type: none"> * Composition of Air * Structure of Atmosphere

6	Air & Water	* Weather & Climate - Heat Zones * Pressure Belts & Winds
		* Humidity, Evaporation, Condensation & Precipitation * Water Cycle * Oceans & Its importance * Ocean Circulation * Ocean Currents
7	Natural Vegetation & Wildlife	* Types of Forests * Types of Grasslands
		* Desert Vegetation * Tundra vegetation * Wildlife in These Areas
8	Human Environment- Settlement, Transport & Communication	* Human Settlement * Types of Transport * Communication

POLITICAL SCIENCE

S. No	Concept	Sub-Concept
9	Role of Government & How State Government Works	* History * Meaning and what makes it Popular * Other forms of Government
		* Universal Adult Franchise * Elections* Political Parties * Coalition Government * Types of Government * Jurisdictional Rights of Central, State & District Government * Their Roles- Central, State & District Government
10	Struggles for Equality	* Distribution * Equality vs Inequality * The Changing Trends (Women Empowerment)

SCIENCE

S. No	Concept	Sub Concept
1	Nutrition in Plants	Nutrition in Plants. Autotrophic and Heterotrophic Modes of Nutrition. Photosynthesis Different types of Heterotrophic Plants
2	Nutrition in Animals	Steps Involved in Nutrition in Animals. Different Kinds of Teeth in Human Beings. Process of Digestion in Humans. Digestive System of Ruminants and Amoeba.
3	Heat and Temperature	Defines Heat (As a Form of Energy) and Temperature. Units Used To Measure Temperature . Conduction, Convection, Radiation
4	Acids, Bases and Salts	Properties and uses of of Acids, Bases, and Neutral Substances. Natural and Synthetic Indicators. Ph Scale and Universal Indicator

	and Salts	Neutralization Reaction
5	Chemical and Chemical Change	Atoms, Elements, and Molecules Types of Chemical Changes Using Examples . Physical and Chemical Changes. Chemical Equations and Reactions
6	Soil	Process of Soil Formation and Soil Profile Types of Soil. Soil Fertility Properties of Soil.
7	Respiration in Organisms	Aerobic and Anaerobic Respiration. Respiration and Breathing Respiration in Human Beings.
8	Reproduction in Plants	Modes of Asexual Reproduction in Organisms. Differentiates Between Sexual and Asexual Reproduction Modes of Vegetative Propagation in Plants. Pollination and Fertilization in Plants. Cross and Self-Pollination
9	Electric current and its Effect	Common Electrical Components. Simple Electrical Circuits. Principle and Working of the Electric Fuse. Magnetic Effect of Electric Current. Principle of an Electromagnet
10	Light	Spherical Mirror and Lenses Images Formed by Concave and Convex Mirrors. Uses of Spherical Mirrors.

Mathematics

S. No.	CONCEPT	SUB-CONCEPT
1	Fractions And decimals	Mixed Operations, Word Problems Multiplication, Division of Decimals, Units of Measurement
2	Rational Numbers	Fractions to Rational Numbers, Equivalent rational Numbers, Comparisons of Rational Numbers Absolute Value, Addition, Subtraction, Multiplication of Rational Number Division of Rational Number, Rational Numbers as Decimal Numbers, Word Problems
3	Power and Exponents	Exponents, Law of Exponents, Scientific Notation
4	Algebraic Expressions	Simplification of Algebraic Expression, Operations Involving Algebraic Expressions
5	Linear Equations	Root or Solution of Linear Equations, Solving Linear Equations Framing Algebraic Equations to Solve Problems
6	Ratio and Proportion	Ratio, Applications of Ratio in Word Problems Proportion
7	Percentage and its Application	Estimation, Profit and Loss, Simple Interest
8	Lines and Angles	Special Pairs of Angles, Transversal, Parallel lines
	Properties of	Properties of Angles, Sum of Two Sides of a Triangle, Pythagoras' Theorem

9	Triangles and congruence of	Congruence of Triangles and Quadrilaterals
10	Perimeter and Area	Perimeter and Area of Rectangle and Circle