

## Detailed Lesson Plan for CBSE Science

### Class - 10 Science

S.N.	Unit Name	Sub-Topics	No. of Classes
1	Chemical Reactions and Equations	1.0 Chemical Equations 1.1 Types of 1.0 Chemical Equations 1.2 Types of chemical reactions: Combination Reaction 1.3 Types of chemical reactions: Decomposition Reaction 1.4 Types of chemical reactions: Displacement Reaction 1.5 Types of chemical reactions: Double displacement Reaction	05
2	Acids, Bases and Salts	2.0 Introduction of Acids, Bases and Salts 2.1 Chemical Properties of Acids and Bases 2.2 What do all acids and all bases have in common? 2.3 How strong are acid or bases solutions? 2.4 Importance of pH in everyday life 2.5 Salts	05
3	Metals and Non-Metals	3.0 Introduction of Metals and Non-Metals 3.1 Physical properties of metals and non-metals 3.2 Chemical properties of metals 3.3 How do metals and non-metals react?	04

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		3.4 Occurrence of metals 3.5 Corrosion	
4	Carbon and Its Compounds	4.0 Introduction of carbon 4.1 Bonding in carbon- The covalent bond 4.2 Versatile Nature of Carbon 4.3 Nomenclature of carbon compounds 4.4 Chemical Properties of carbon compounds 4.5 Ethanol and Ethanoic Acid 4.6 Soaps and Detergents	07
5	Periodic Classification of elements	5.0 Introduction of Elements 5.1 Early attempts at the classification of element 5.2 Mendeleev's Periodic Table 5.3 The modern periodic table	04
6	Life Processes	6.0 Introduction of life processes 6.1 Nutrition 6.2 Nutrition in Human Beings 6.3 Respiration 6.4 Transportation in human beings 6.5 Transporation in Plants 6.6 Excretion	07
7	Control and Coordination	7.0 Introduction of control and coordination 7.1 Animal Nervous System 7.2 Human Brain 7.3 Coordination in Plants 7.4 Hormones in Animals	05
8	How do Organisms Reproduce?	8.0 Organisms Reproduce 8.1 Modes of reproduction used by single organisms-I 8.2 Modes of reproduction used by single organisms-II 8.3 Sexual Reproduction in plants	05

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		8.4 Sexual Reproduction in humans	
9	Heredity and Evolution	9.0 Accumulation of variation during reproduction 9.1 Heredity 9.2 Evolution 9.3 Speciation 9.4 Evolution and Classification 9.5 Evolution by stages 9.6 Evolution should not be equated with progress	08
10	Light- Reflection and Refraction	10.0 Reflection of light 10.1 Spherical Mirrors Mirror formula and magnification 10.2 Refraction of light 10.3 Refraction by spherical lenses 10.4 lens formula, Magnification and power of lens	8
11	The Human Eye and Colourful World	11.0 The Human Eye 11.1 Defects of vision and their correction 11.2 Refraction of light through a prism 11.3 Dispersion of white light by a glass prism 11.4 Atmospheric Refraction 11.5 Scattering of light	06
12	Electricity	12.0 Electric Current and Circuit 12.1 Electric Potential and Potential Difference 12.2 Circuit Diagram 12.3 Ohm's law 12.4 Factors on which the resistance of a conductor depends 12.5 Resistance of a system of resistors 12.6 Heating Effect of electric	9

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		current	
13	Magnetic Effects of Electric Current	13.0 Magnetic field and field lines 13.1 Magnetic field due to a current carrying conductor 13.2 Force on a current- carrying conductor in a magnetic field 13.3 Electric Motor 13.4 Electromagnetic Induction 13.5 Electric Generator 13.6 Domestic Electric Circuits	06
14	Sources of Energy	14.0 Energy and Its Sources 14.1 Conventional Sources of Energy 14.2 Alternative or Non-Conventional sources of energy 14.3 Environmental Consequences	03
15	Our Environment	15.0 Eco System and its components 15.1 Food chains and Webs 15.2 How do our activities affect the environment?	03
16	Sustainable Management of Natural Resources	16.0 Management of Natural Resources 16.1 Need to manage our resources Forests and Wildlife 16.2 Water for all 16.3 Coal and Petroleum	02
<b>Total Classes</b>			<b>87</b>

## Plus (+)

Revision Classes	10 Classes
Exam Strategy Session	1 Session
PTM	3

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All Total Classes	98 Classes
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