

Detailed Lesson Plan for CBSE Science

Class - 8 Science

S.N.	Unit Name	Sub-Topics	No. of Classes
1	Crop Production and Management	1.0 Introduction 1.1 Agricultural Practices 1.2 Preparation of Soil 1.3 Agricultural Implements 1.4 Adding Manure and Fertilizers 1.5 crop rotation 1.6 Irrigation 1.7 Traditional Methods of Irrigation 1.8 Modern Methods of Irrigation 1.9 Protection from Weeds 1.10 Harvesting 1.11 Storage 1.12 Food from Animals	03
2	Microorganisms: Friend and Foe	2.0 Introduction 2.1 Microorganisms 2.2 Where do Microorganisms Live? 2.3 Microorganisms and Us 2.4 Friendly Microorganisms 2.5 Harmful Microorganisms 2.6 Food Preservation 2.7 Nitrogen Fixation	03

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3	Synthetic Fibres and Plastics	3.0 Introduction 3.1 What are Synthetic Fibres? 3.2 Types of Synthetic Fibres 3.3 Characteristics of Synthetic Fibres 3.4 Plastics 3.5 Plastics as Materials of Choice 3.6 Plastics and the Environment	03
4	Materials: Metals and Non-metals	4.0 Introduction 4.1 Physical Properties of Metals and Non-metals 4.2 Chemical Properties of Metals and Non-metals 4.3 Uses of Metals and Non-metals	03
5	Coal and Petroleum	5.0 Introduction 5.1 Coal 5.2 Petroleum 5.3 Natural Gas 5.4 Some Natural Resources are Limited	02
6	Combustion and Flame	6.0 Introduction 6.1 What is Combustion? 6.2 How Do We Control Fire 6.3 Types of Combustion 6.4 Flame 6.5 Structure of a Flame 6.6 What is a Fuel? 6.7 Fuel Efficiency 6.8 Burning of Fuels Leads to Harmful Products	03
7	Conservation of Plants and Animals	7.0 Introduction 7.1 Deforestation and Its Causes 7.2 Consequences of Deforestation 7.3 Conservation of Forest and Wildlife	02

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8	Cell- Structure and Functions	8.0 Introduction 8.1 Discovery of the Cell 8.2 The Cell 8.3 Organisms show Variety in Cell Number, Shape and Size 8.4 Cell Structure and Function 8.5 Parts of the Cell 8.6 Comparison of Plant and Animal Cells	04
9	Reproduction in Animals	9.0 Introduction 9.1 Modes of Reproduction 9.2 Sexual Reproduction 9.3 Development of Embryo 9.4 Asexual Reproduction	03
10	Reaching the Age of Adolescence	10.0 Introduction 10.1 Adolescence and Puberty 10.2 Changes at Puberty 10.3 Secondary Sexual Characters 10.4 Role of Hormones in Initiating Reproductive Function 10.5 Reproductive Phase of Life in Humans 10.6 How is the Sex of the Baby Determined? 10.7 Hormones other than Sex Hormones 10.8 Role of Hormones in Completing the Life History of Insects and Frogs 10.9 Reproductive Health	05

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11	Force and Pressure	11.0 Introduction 11.1 Force - A Push or a Pull 11.2 Forces are due to and Interaction 11.3 Exploring Forces 11.4 A Force can Change the State of Motion 11.5 Force can Change the Shape of and Object 11.6 Non-contact Forces 11.7 Pressure Exerted by Liquids and Gases 11.8 Atmospheric Pressure	04
12	Friction	12.0 Introduction 12.1 Force of Friction 12.2 Factors affecting Friction 12.3 Friction : A Necessary Evil 12.4 Increasing and Reducing Friction 12.5 Fluid Friction	04
13	Sound	13.0 Introduction 13.1 Sound is Produced by a Vibrating Body 13.2 Sound Produced by Humans 13.3 Sound Needs a Medium for Propagation 13.4 We Hear Sound through Our Ears 13.5 Amplitude, Time Period and Frequency of a Vibration 13.6 Audible and Inaudible Sounds 13.7 Noise and Music 13.8 Noise Pollution	04

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14	Chemical Effects of Electric Current	14.0 Introduction 14.1 Do Liquids Conduct Electricity 14.2 Chemical Effects of Electric Current 14.3 Electroplating	04
15	Some Natural Phenomena	Introduction 15.1 Lightning 15.2 Charging by Rubbing 15.3 Transfer of Charge 15.4 The Story of Lightning 15.5 Lightning Safety 15.6 Earthquakes	03
16	Light	16.0 Introduction 16.1 What makes Things Visible 16.2 Laws of Reflection 16.3 Regular and Diffused Reflection 16.4 Reflected Light Can be Reflected Again 16.5 Sunlight - White or Coloured 16.6 What is inside Our Eyes 16.7 Care of the Eyes 16.8 Visually Impaired Persons Can Read and Write	04
17	Stars and The Solar System	17.0 Introduction 17.1 The Moon 17.2 The Stars 17.3 Constellations 17.4 The Solar System 17.5 Some Other Members of the Solar System 17.6 Meteors and Meteorites	03

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18	Pollution of Air and Water	18.0 Introduction 18.1 Air Pollution 18.2 Case Study- The Taj Mahal 18.3 Greenhouse Effect 18.4 What can be Done? 18.5 Water Pollution 18.6 Case Study Ganga 18.7 What is Potable Water and How is Water Purified?	03
Total Classes			60

Plus (+)

Revision Classes	15 Classes
Exam Strategy Session	1 Session
PTM	2
All Total Classes	76 Classes