CBSE Class 8 Science Syllabus:

Science is concerned with disciplines and the study of natural phenomena. This subject delves deeply into the changes and forecasts that are taking place in the cosmos. Class 8 is a critical stage in a student's development of analytic, logical, and critical thinking skills. Science Syllabus for Class 8 CBSE focuses on themes that teach these necessary abilities. The course includes critical information ranging from agricultural production complexity and management to fuel combustion.

Furthermore, young students can find interactive explanations and diagrams to help them understand the subject. Students who want to achieve high marks in any exam, regardless of the scale, can rely on CBSE Syllabus For Class 8 Science.

Chapter 1: Crop Production and Management

- **1.1:** Agricultural Practices
- **1.2:** Basic Practices of Crop Production
- **1.3:** Preparation of Soil
- **1.4:** Sowing
- **1.5** Adding Manure and Fertilizers
- **1.6:** Irrigation
- **1.7:** Protection from Weeds
- **1.8:** Harvesting
- **1.9:** Storage
- **1.10:** Food from Animals

Chapter 2: Microorganisms: Friend and Foe

- **2.1:** Microorganisms
- **2.2:** Where do Microorganisms Live?
- **2.3:** Microorganisms and Us
- **2.4:** Harmful Microorganisms
- **2.5:** Food Preservation
- **2.6:** Nitrogen Fixation
- **2.7:** Nitrogen cycle

Chapter 3: Synthetic Fibres and Plastics

- **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

Chapter 4: Materials: Metals and Non-Metals

- **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

Chapter 5: Coal and Petroleum

- **5.1:** Coal
- **5.2:** Petroleum
- **5.3:** Natural Gas
- **5.4:** Some Natural Resources are Limited

Chapter 6: Combustion and Flame

- **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

Chapter 7: Conservation of Plants and Animals

- **7.1:** Deforestation and Its Causes
- **7.2:** Consequences of Deforestation
- **7.3:** Conservation of Forest and Wildlife
- **7.4:** Biosphere Reserve
- **7.5:** Flora and Fauna
- **7.6:** Endemic Species
- **7.7:** Wildlife Sanctuary
- **7.8:** National Park
- **7.9:** Red Data Book
- **7.10:** Migration
- **7.11:** Recycling of Paper

- **7.12:** Reforestation

Chapter 8: Cell – Structure and Functions

- **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 Plants and Animals Cells

Chapter 9: Reproduction in Animals

- **9.1:** Modes of Reproduction
- **9.2:** Sexual Reproduction
- **9.3:** Asexual Reproduction

Chapter 10: Reaching The Age of Adolescence

- **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

Chapter 11: Force And Pressure

- **11.1:** Force: A push or a Pull
- **11.2:** Forces are due to an Interaction
- **11.3:** Exploring Forces
- **11.4:** A Force can Change the State of Motion
- **11.5:** Force can Change the Shape of an object
- **11.6:** Contact Forces
- **11.7:** Non-contact Forces
- **11.8:** Pressure
- **11.9:** Pressure Exerted by Liquids and Gases
- **11.10:** Atmospheric Pressure

Chapter 12: Friction

- **12.1:** Force of Friction
- **12.2:** Factors affecting Friction
- **12.3:** Friction: A Necessary Evil

- **12.4:** Increasing and Reducing Friction
- **12.5:** Wheels Reduce Friction
- **12.6:** Fluid Friction

Chapter 13: Sound

- **13.1:** Sound is Produced by Vibrating Bodies
- **13.2:** Sound Produced by Humans
- **13.3:** Sounds Needs a Medium for Propagation
- **13.4:** We Hear Sound through Our Ears
- **13.5:** Aptitude, Time Period and Frequency of a vibration
- **13.6:** Audible and Inaudible Sounds
- **13.7:** Noise and Music
- **13.8:** Noise Pollution

Chapter 14: Chemical Effects Of Electric Current

- **14.1:** Do Liquids Conduct Electricity?
- **14.2:** Chemical Effects Of Electric Current
- **14.3:** Electroplating

Chapter 15: Some Natural Phenomena

- **15.1:** Lightning
- **15.2:** Charging by Rubbing
- **15.3:** Types of Charges and Their Interaction
- **15.4:** Transfer of Charge
- **15.5:** The Story of Lightning
- **15.6:** Lightning Safety
- **15.7:** Earthquakes

Chapter 16: Light

- **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:** Multiple Images
- **16.6:** Sunlight – White or Coloured
- **16.7:** What is inside Our Eyes?
- **16.8:** Care of the Eyes
- **16.9:** Visually Impaired Persons Can Read and Write
- **16.10:** What is Braille System?

Chapter 17: Stars And The Solar System

- **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

Chapter 18: Pollution of Air and Water

- **18.1:** Air Pollution
- **18.2:** How does Air Get Polluted?
- **18.3:** Case Study- The Taj Mahal
- **18.4**: Greenhouse Effect
- **18.5**: What can be done?
- **18.6:** Water Pollution
- **18.7:** How does Water Get Polluted?
- **18.8:** What is Potable Water and How is Water Purified?
- **18.9:** What Can be Done?