

CBSE Syllabus for Class 8 Science 2020-21

CBSE syllabus for Class 8 Science are tabulated below:

Chapters	Name of Chapter
Chapter 1	Crop Production and Management
Chapter 2	Microorganisms: Friend and Foe
Chapter 3	Synthetic Fibres and Plastics
Chapter 4	Materials: Metals and Non-Metals
Chapter 5	Coal and Petroleum
Chapter 6	Combustion and Flame
Chapter 7	Conservation of Plants and Animals
Chapter 8	Cell — Structure and Functions
Chapter 9	Reproduction in Animals
Chapter 10	Reaching the Age of Adolescence
Chapter 11	Force and Pressure
Chapter 12	Friction
Chapter 13	Sound
Chapter 14	Chemical Effects of Electric Current
Chapter 15	Some Natural Phenomena
Chapter 16	Light
Chapter 17	Stars and The Solar System
Chapter 18	Pollution of Air and Water

It is to be noted that the CBSE Syllabus for Class 8 science includes the syllabus of all three sections – **Physics, Chemistry, and Biology.**

Let us now see what all are included under each of the chapters:

Detailed NCERT Syllabus For Class 8 Science

The different topics included in each chapter are as under:

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?