

Month	Book	Chapter/Lesson title	Topics	Activity	Learning Outcome
April to June	CBSE NCERT CLASS 9 SCIENCE TEXTBOOK	The Fundamental Unit of Life.	1. Cell Theory Cell Organneles 3.Plant Cell 4.Animal Cell 5.Processes Involved	Preparation of a stained temporary slide of onion peel, human cheek cells and to record observations and draw their labeled diagrams.	Students will be able to: 1. List various cell organelles. 2. Distinguish between Hypertonic, Hypotonic & Isotonic solution 3. Describe functions & structure of various cell organelles. 4. Explain structure of various cell organelles. 5. Draw diagrams of various cell organelles. 6. To differentiate between plant cell & animal cell

July to August	CBSE NCERT CLASS 9 SCIENCE TEXTBOOK	Tissues.	1. Tissues definition 2.Types of tissues 3. Simple Permanent tissue 4. Complex Tissue	Identification of parenchyma, collenchyma and sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibres and nerve cells in animals, from prepared slides. Draw their labeled diagrams.	Students will be able to: 1. Learn and recall the concept of tissue. 2. Learn about the different types of meristematic tissue, their location and functions in plants. 3. Differentiate between the simple permanent tissue and complex permanent tissue. 4. Learn in detail about the different types of simple permanent tissues, complex permanent tissues, their specific features and functions. 5. Observe parenchyma, collenchyma and sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibres and nerve cells in animals, from prepared slides.
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September to October	CBSE NCERT CLASS 9 SCIENCE TEXTBOOK	Improvement in Food Resources.	1. Crops 2.Improve ment in crop yield 3. Cropping Patterns 4. Crop Protection Manageme nt 5. Irrigation 6.	1. Visit a farm and observe the different techniques used by farmers to grow crops. 2. Find out the different types of manure and fertilizers used and explain their impact on crops.	Students will be able to: 1. Learn about dependence of humans on plants and animals. 2. Describe different cropping systems. 3. Analyse why crops grow differently and explain the usage of manure and fertilizers. 4. Value the efforts taken by the farmers to grow food we eat.

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