

**BCM SCHOOL**

A Sr. Sec School Affiliated to CBSE, New Delhi

Annual Academic Calendar

SUBJECT-BIOLOGY

Session :- 2020-2021

Class :-X

**NCERT BOOK : TEXT BOOK OF SCIENCE**

MONTH	TOPIC	LEARNING OUTCOME	SOURCES	SUGGESTIVE ACTIVITIES
APRIL	Chapter -15  The Fundamental Unit of Life	1. Students will be able to define and explain the term cell. 2. Enlist the postulates of cell theory.  3. Identify various types of cells and correlate their shapes and functions. 4. Explore and identify the discovery of dead and living cells.	NCERT BOOK OF SCIENCE for class IX  <a href="https://youtu.be/tZW1bjDHnTY">https://youtu.be/tZW1bjDHnTY</a>	1. The learner will be asked to make poster of prokaryotic cell. 2. Students will be able to compare diffusion and osmosis and identify different types of osmosis with respect to concentration of the cell. 3. To prepare a temporary mount of onion peel.
MAY	Chapter -15  The Fundamental Unit of Life	1. Students will be able to differentiate between cytoplasm and cell organelles. 2. Classify various types of plastids.  3. Students will be able to identify structure, location and function of ER, Golgi Apparatus, lysosomes, Mitochondria, Plastids and Vacuoles. 4. Understand the concept of mitosis and meiosis.	NCERT BOOK OF SCIENCE for Class IX  <a href="https://youtu.be/N2vp98dy35k">https://youtu.be/N2vp98dy35k</a> <a href="https://youtu.be/37ZqbgJ68vs">https://youtu.be/37ZqbgJ68vs</a> <a href="https://youtu.be/hME6z4G_39s">https://youtu.be/hME6z4G_39s</a> <a href="https://youtu.be/Fj79A-84Zyo">https://youtu.be/Fj79A-84Zyo</a> <a href="https://youtu.be/IBj0Y1Uh0M8">https://youtu.be/IBj0Y1Uh0M8</a>	1. Identify the structure and location of different organelles with the help of diagrams. 2. Students will be able to exhibit creativity and accuracy in diagrams. 3. To prepare a temporary mount of cheek cell and compare different types of cell organelles.  4. Students will be able to differentiate between plant cell and animal cell.

<p><b>AUG</b></p>	<p>Chapter -6 Tissues</p>	<p>1. State the importance of tissues and different types of tissues.  2. Explain the difference between plant and animal tissues.   3. To classify different types of plant and animal tissues and explain their structure,location and functions.</p>	<p>NCERT BOOK OF SCIENCE for class IX.  <a href="https://youtu.be/IIQD12mf-dk">https://youtu.be/IIQD12mf-dk</a>   <a href="https://youtu.be/7COBSz7DxTw">https://youtu.be/7COBSz7DxTw</a>   <a href="https://youtu.be/09FsJ8BpH8Y">https://youtu.be/09FsJ8BpH8Y</a>  <a href="https://youtu.be/Prk-T2nDtCw">https://youtu.be/Prk-T2nDtCw</a>  <a href="https://youtu.be/2iLtGXRQD2Q">https://youtu.be/2iLtGXRQD2Q</a></p>	<p>1.Students will observe structures of different plant and animal tissues through slides.   2.Students will be able to draw different types of epithelial and connective tissues, muscle fibres,neurons in animals and meristematic tissues present in plants.</p>
<p><b>OCT</b></p>	<p>Chapter-13 Why Do We Fall Ill</p>	<p>1.Students will be able to understand (a) significance of health (b) distinction between healthy and disease free.   2.Differentiate btween acute and chronic disease,infectious and non-infectioous causes.  3.Differentiate between infectious agents.</p>	<p>NCERT BOOK OF SCIENCE for class IX.   <a href="https://youtu.be/0BRWmzHSERY">https://youtu.be/0BRWmzHSERY</a></p>	<p>1.Students will conduct a survey on different types of common acute and chronic diseases in their locality.  2.They will gather information regarding different types of vaccination available in their nearest health centre.</p>

<p style="text-align: center;"><b>NOV</b></p>	<p>Chapter-13 Why Do We Fall Ill</p>	<p>1.Students will be able to get knowledge about ;  (a)Means of spread of different diseases (b)Organ specific and tissue specific manifestations  (c )Principles of treatment  (d)Principles of prevention (e) Principles of immunisation and vaccination (e) Principles of immunisation and vaccination.  2.Understand the difference between syndrome and disease.</p>	<p>NCERT BOOK OF SCIENCE for class IX  <a href="https://youtu.be/jfljlaBoLcs">https://youtu.be/jfljlaBoLcs</a>    <a href="https://youtu.be/TZwnufaBSWo">https://youtu.be/TZwnufaBSWo</a>    <a href="https://youtu.be/nYybPsM8kUc">https://youtu.be/nYybPsM8kUc</a>  <a href="https://youtu.be/e9eKsbsFvQQ">https://youtu.be/e9eKsbsFvQQ</a></p>	<p>1.Prepare a report on COVID-19 (causes,symptoms,precautions) on a chart.  2.Prepare a chart on HIV-AIDS (name of infectious agent, causes, symptoms and precautions).</p>
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**DELETED CHAPTERS**

<b>MONTH</b>	<b>CHAPTER</b>	<b>LEARNING OUTCOMES</b>	<b>SOURCES/ RESOURCES</b>	<b>SUGGESTED ACTIVITIES</b>
<b>JULY</b>	Chapter -14 Natural Resources	1. Students will be able to identify the reasons for existence of life on planet Earth. 2. Identify biotic and abiotic components of biosphere i.e. air, water and soil. 3. Understand the concept of biogeochemical cycle. 4. To understand the phenomena of green house effect and global warming.	NCERT BOOK OF SCIENCE IX	1. Learner will develop critical thinking through open ended questions to evaluate our role in maintaining balance in nature. 3. Students will be able to draw different biogeochemical cycles.
<b>DEC</b>	Chapter-7 Diversity In Living organism	1. Students will be able to know about basis of classification. 2. Analyse critically various organisms that belong to the division of phylum assigned to them. 3. Students will be able to know about conventions followed while writing scientific names.		1. Activity on Whittaker's 5 kingdom classification of organisms (students will enlist the names of different organisms that fall under each of the 5 kingdoms). 2. Find out scientific names of any 5 common plants and animals along with their local names.
<b>JAN</b>	Chapter-15 Improvement in Food Resources	1. Students will be able to know about the improvement in crop yield. (a) Crop variety improvement (b) Crop production management (c) Crop protection management. 3. Write about benefits of different cropping patterns. 4. Describe the factors responsible for losses of grains	NCERT BOOK of SCIENCE for CLASS IX	1. Students will learn to prepare compost using kitchen waste. 2. Students will prepare a chart on edible and non edible weeds.

**\*\*\* These chapters will be assessed for internal assessment only and not to be assessed in board examination.**