

Cambrian Public School, Kanke Road, Ranchi

Session (2024-2025)

Class: VII

Subject: Science

S. No	Month	Name of the chapter	Learning Outcomes
1.	April	Nutrition in Plants	Students will be able to <ul style="list-style-type: none">• Differentiate between autotroph and heterotroph• Get an understanding of how plants prepare their food.• Demonstrate the use of Sunlight which is necessary for photosynthesis.
2.	May	Nutrition in Animals	Students will <ul style="list-style-type: none">• Comprehend the concept of nutrition in amoeba, hydra and grass eating animals.• Understand the process of digestion in human beings.
3.	June	Fibres From Animals	Students will understand <ul style="list-style-type: none">• Difference between natural and synthetic fibres.• The process of formation of silk from cocoons.• The process of obtaining wool fibre from animals.
4.	July	Heat	Students will be able to <ul style="list-style-type: none">• Measure temperature in day to day life.• Understand application of conduction, Convection and radiation in their daily life.
5.	July	Acids, Bases and Salts	Students will be able to <ul style="list-style-type: none">• Recognise and apply the concepts of indicators in acids, bases and salts.• Understand the importance of neutralisation reactions in everyday life.
6.	August	Physical and Chemical Changes	Students will <ul style="list-style-type: none">• Understand and evaluate the

			environment through chemical and physical changes.
7.	August	Weather, Climate and Adaptations	Students will understand <ul style="list-style-type: none"> • Difference between weather and climate . • Adaptation of animals to different climate.
8.	September	Wind, Storms and Cyclones	Students will be able to <ul style="list-style-type: none"> • Handle different natural disasters to minimise the loss in daily life.
9.	October	Soil	Students will understand <ul style="list-style-type: none"> • Concept of soil formation. • Importance of different types of soil in crop production.
10	October	Respiration in Plants and Animals	Students will understand <ul style="list-style-type: none"> • Difference between aerobic and anaerobic respiration. • Respiration in different organisms.
11.	November	Transportation of Materials	Students will understand <ul style="list-style-type: none"> • Blood circulation in human beings. • Excretory system in humans. • Transportation in plants.
12	November	Reproduction in Plants	Students will be able to <ul style="list-style-type: none"> • Differentiate between asexual and sexual reproduction. • Understand different types of asexual reproduction. • Understand pollination and their importance.
13	December	Time and Motion	Students will understand <ul style="list-style-type: none"> • Slow and fast motion. • Relation between distance, time and speed. • Different types of motion in day to day life.
14	December	Electricity and Magnetism	<ul style="list-style-type: none"> • Understanding electrical components and their connections • Heating and magnetic effect of electric current.

15	January	Light and Reflection	Students will understand <ul style="list-style-type: none">• Rectilinear propagation of light.• Laws of reflection.• Concept of concave and convex mirror.
16	February	Forests	Students will <ul style="list-style-type: none">• Analyse the importance of forest in our daily life.• Understand the interdependence of plants and animals.