

Subject : Science
 Grade : V
 Year : 2019-20



Year Planner

Text book used: Collins Science Now

Month& No. of Teaching Days	Units	Sub Units	Objectives	Activities Planned	Evaluation
March (6)	UNIT - 2 Human body, Health and Safety	5. Safety and first aid	<ul style="list-style-type: none"> Bring awareness about causes and prevention of fire accidents Acquaint students with the first aid procedures in cases of burns, fractures and animal bites. 	<ul style="list-style-type: none"> A drill to escape through the fire exit in school in case of fire. Poster making on Safety rules of Fire 	
April (9)	UNIT - 4 Nature, Environment and Space	8. Our environment	<p>Students will be able to</p> <ul style="list-style-type: none"> identify the components of our environment. explain the types, sources, causes and effects of pollution. discuss ways of minimizing pollution. 	<ul style="list-style-type: none"> Collage with slogan writing on types of pollution. Group Discussion on different types of pollution 	Worksheet-1
June (15)	UNIT-1 Plant World	1. Growing plants	<p>Students will be able to</p> <ul style="list-style-type: none"> identify the growth of new plants from seed, stem, roots and leaves. infer the conditions necessary for the germination of a seed. list the various processes involved in agriculture. describe the structure of a seed. 	<ul style="list-style-type: none"> Germination of a seed <p><u>LAB ACTIVITY</u></p> <ul style="list-style-type: none"> Stem cutting and Grafting Encouraging students to grow a small kitchen garden in school 	Slip Test-1 Worksheet-2
	UNIT-5 Materials and Matter	12. Light and shadow	<p>Students will be able to</p> <ul style="list-style-type: none"> understand that light is a form of energy. differentiate between transparent, translucent and opaque materials. state the characteristics of a shadow. 	<p><u>LAB ACTIVITY</u></p> <ul style="list-style-type: none"> Classify transparent, translucent and opaque objects - Lab activity Activity demonstrating that light travels in a straight line. 	

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July (24)	UNIT -3 Human body, Health and Safety UNIT-5. Materials and Matter	4. Food and health. 11. Solids, liquids, gases.	Students will be able to <ul style="list-style-type: none"> • categorize food into various components • understand the importance of balanced diet • differentiate communicable and non-communicable diseases with examples. Students will be able to <ul style="list-style-type: none"> • recognize the difference in arrangement of particles in states of matter. • Explain about intermolecular spacing in three states of matter. • compare the properties of expansion and contraction. 	<ul style="list-style-type: none"> • Collect the samples of the packed food items and speak about the nutrients present in them. • Debate on Junk Food Vs Healthy Food <u>LAB ACTIVITY</u> <ul style="list-style-type: none"> • Changes of forms of water • Demonstrate the property of contraction and expansion 	Worksheet-3 Slip Test - 2 Periodic Test -1
August (22)	UNIT -4 Nature, Environment and Space	6. Air and Water.	Students will be able to <ul style="list-style-type: none"> • compare different layers of atmosphere • recall about the processes of sedimentation and decantation • describe different processes involved in water purification. 	<u>LAB ACTIVITY</u> Activities related to *Properties of Air *Purification of water	Worksheet-4 Worksheet-5 Slip Test-3

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	UNIT-5 Materials and Matter	14.Measurement	<ul style="list-style-type: none"> understand the history of measures used through time. recognize the need for standard units of measurement. identify different measuring units. 	<ul style="list-style-type: none"> Measure different objects in the classroom using a measuring tape and body parts. 	Slip Test-4 Subject Enrichment Assessment -1
September (18)	REVISION				Half Yearly Examinations (PT- 2)
October (17)	UNIT-4 Nature, Environment and Space UNIT-5 Materials and Matter	9. Natural Disasters 10. Rocks and minerals.	Students will be able to <ul style="list-style-type: none"> identify and give different types of volcanoes examples. define earthquake and understand the causes of earthquake. discuss ways to minimize the impact of earthquakes. give reasons for occurrence of tidal waves and tsunami. Students will be able to <ul style="list-style-type: none"> classify different types of rocks list the uses of rocks and minerals to identify uses of rocks and minerals 	<u>LAB ACTIVITY</u> <ul style="list-style-type: none"> Demonstration of volcanic eruption Report on a recent Natural Disaster. Identify different types of rocks. 	Worksheet-6

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November (22)	UNIT-2 Animal World	2. Animals – Habitat and Adaptation.	Students will be able to <ul style="list-style-type: none"> define the word ‘habitat’ identify different habitats of animals. understand the need for adaptation. recognize the relation between adaptations and habitat. 	<ul style="list-style-type: none"> Collect pictures of various animals from old newspapers or magazines and group them according to their habitat and write their adaptive features. 	Worksheet-7 Slip Test-5 Worksheet-8
December (20)	UNIT-3. Human Body, Health and Safety	3. Skeletal and nervous system.	Students will be able to <ul style="list-style-type: none"> describe general structure and function of skeletal and nervous system explain about different components of brain. identify the various parts of the skeletal system. understand the roles of different parts. 	<u>LAB ACTIVITY</u> <ul style="list-style-type: none"> Demonstration of Skeletal system, Nervous system and types of joints in human body. Clay modelling 	Worksheets-9 & 10 Slip Test-6