

**Subject : Science**  
**Grade : V**  
**Year : 2018-19**

**Year Planner**

**Text book Used: Collins Science Now**

Month & No. of Teaching Days	Units	Sub- Units	Objectives	Activities Planned	Evaluation
March / April (17)	UNIT - 2 Human body, Health and Safety	5. Safety and first aid	<ul style="list-style-type: none"> <li>To bring awareness about causes and prevention of fire accidents</li> <li>To acquaint students with the first aid procedures in cases of burns, fractures and animal bites.</li> </ul>	<ul style="list-style-type: none"> <li>A drill to escape through the fire exit in school in case of fire.</li> <li>Poster making on Safety rules to be followed in case of an accident.</li> </ul>	Worksheet -1
June (20)	UNIT - 4 Nature, Environment and Space	8. Our environment	<ul style="list-style-type: none"> <li>Identify the components of our environment.</li> <li>Explain the types, sources, causes and effects of pollution.</li> <li>Discuss ways of minimizing pollution.</li> </ul>	<ul style="list-style-type: none"> <li>Collage with slogan writing on types of pollution.</li> </ul>	Worksheet-2  Slip Test-1
	UNIT-1 Plant World	1. Growing plants	<ul style="list-style-type: none"> <li>To identify the growth of new plants from seed, stem, roots and leaves.</li> <li>Understand the conditions necessary for the germination of a seed.</li> <li>List the various processes involved in agriculture.</li> <li>Describe the structure of a leaf.</li> </ul>	<ul style="list-style-type: none"> <li>Germination of a seed</li> </ul> <p><u>LAB ACTIVITY</u></p> <ul style="list-style-type: none"> <li>Stem cutting and Drafting</li> </ul> <p>Encouraging students to grow a small kitchen garden in school</p>	Worksheet-3
July (24)	UNIT-5 Materials and Matter	12. Light and shadow	<ul style="list-style-type: none"> <li>To understand that light is the form of energy.</li> <li>Differentiate between transparent, translucent and opaque materials.</li> <li>State the characteristics of a shadow.</li> </ul>	<p><u>LAB ACTIVITY</u></p> <ul style="list-style-type: none"> <li>Classify the transparent, translucent and opaque objects from the given materials.</li> </ul>	<b>Revision Worksheet-1</b>  Slip Test-2
	UNIT -3 Human body, Health and Safety	4. Food and health.	<ul style="list-style-type: none"> <li>Categorize food into various components</li> <li>Understand the importance of balanced diet.</li> </ul>	<ul style="list-style-type: none"> <li>Collect the samples of the packed food items and speak on the nutrients present in them.</li> </ul>	<b>Periodic Test -1</b>  Worksheet-4

			<ul style="list-style-type: none"> <li>• Differentiate communicable and non-communicable diseases with examples.</li> </ul>		
August (21)	UNIT-5. Materials and Matter	11. Solids, liquids, gases.	<ul style="list-style-type: none"> <li>• Recognize the difference in arrangement of particles in different states of matter.</li> <li>• Explain intermolecular spacing in the three states of matter.</li> <li>• Compare the properties of expansion and contraction.</li> </ul>	<u>LAB ACTIVITY</u> <ul style="list-style-type: none"> <li>• Change of form of water</li> <li>• Demonstration on contraction and expansion</li> </ul>	Worksheet-5  Slip Test-3
	UNIT -4 Nature, Environment and Space	6. Air and Water.	<ul style="list-style-type: none"> <li>• To identify different layers of atmosphere</li> <li>• Recall the process of sedimentation and decantation</li> <li>• Describe different processes involved in water purification.</li> </ul>	<u>LAB ACTIVITY</u> <ul style="list-style-type: none"> <li>• Properties of Air</li> <li>• Purification of water</li> </ul>	Worksheet-6  Slip Test-4
September (10)	<b>Half Yearly Examinations</b>				<b>Subject Enrichment Evaluation-1 Revision Worksheet – 2</b>
October (14)	UNIT-5 Materials and Matter	10. Rocks and minerals.	<ul style="list-style-type: none"> <li>• To classify different types of rocks</li> <li>• List the uses of rocks and minerals</li> <li>• To identify uses of rocks and minerals</li> </ul>	<ul style="list-style-type: none"> <li>• Identify the different types of rocks.</li> </ul>	Worksheet-7
	UNIT-2 Animal World	2. Animals – Habitat and Adaptation.	<ul style="list-style-type: none"> <li>• To identify and gain knowledge about different habitats of animals.</li> <li>• Define the word ‘Habitat’</li> <li>• Understand the need for adaptation.</li> <li>• Recognize that adaptations are related to habitat.</li> </ul>	<ul style="list-style-type: none"> <li>• Collect pictures of various animals from old newspapers or magazines and group them according to the habitat and write their adaptive features.</li> </ul>	
November (19)	UNIT-5 Materials and Matter	14.Measurement	<ul style="list-style-type: none"> <li>• To know the need for measurement, understand the history of measures used through time.</li> <li>• Recognize the need for standard units of measurement.</li> <li>• Identify different measuring units.</li> </ul>	<ul style="list-style-type: none"> <li>• Measure the different objects in the Classroom using a measuring tape and body parts.</li> </ul>	Worksheet-8  Slip Test-5

November (19)	UNIT-3. Human Body, Health and Safety	3. Skeletal and Nervous system.	<ul style="list-style-type: none"> <li>Describe general structure and function of skeletal and nervous system</li> <li>Understand about the different components of brain.</li> <li>Identify the various parts of the systems.</li> <li>Understand the roles of different parts.</li> </ul>	<u>LAB ACTIVITY</u> <ul style="list-style-type: none"> <li>Demonstration of Skeletal system, Nervous system and types of joints in human body.</li> </ul>	Worksheet-9
December (22)	UNIT-4 Nature, Environment and Space	7. Earth, Sun and Moon.	<ul style="list-style-type: none"> <li>To have a better understanding of solar system.</li> <li>Identify the planets in our solar system.</li> <li>Recognize the causes relating to formation of Solar and Lunar Eclipse.</li> <li>Describe characteristics of Earth's layers.</li> <li>Summarize characteristics of moon.</li> </ul>	<u>LAB ACTIVITY</u> <ul style="list-style-type: none"> <li>Demonstration of Solar and Lunar Eclipse.</li> <li>Collect information on any one astronaut and write few lines.</li> </ul>	Worksheet-10  Slip Test-6  <b>Revision Worksheet-3</b>
January (19)	UNIT-5 Materials and Matter	13. Force and Energy.	<ul style="list-style-type: none"> <li>Define force and energy.</li> <li>List the effects of force.</li> <li>Identify different simple machines and the types of levers.</li> <li>Give examples for levers.</li> </ul>	<ul style="list-style-type: none"> <li>Identify and list out few simple machines used in our daily life.</li> </ul>	Worksheet-11  <b>Subject Enrichment Evaluation.</b>  <b>Periodic Test-3</b>
February (22)	UNIT-4 Nature, Environment and Space	9. Natural Disasters	<ul style="list-style-type: none"> <li>Identify and give examples of types of volcanoes</li> <li>Define earthquake and understand the causes of earthquake.</li> <li>Discuss ways to minimize the impact of earthquakes.</li> <li>Give reasons for occurrence of tidal waves and tsunami.</li> </ul>	<u>LAB ACTIVITY</u> <ul style="list-style-type: none"> <li>Demonstration of volcanic eruption.</li> <li>Report on a recent Natural Disaster.</li> </ul>	Worksheet-12  <b>Revision Worksheet-4</b>
March (22)					<b>ANNUAL EXAMS</b>