

**Cambridge International School, Mohal, Kullu**  
**Curriculum – 2021-22**  
**Science – VI**  
**First Quarter**

	Feb / March	April	May	June
<b>Content</b>	<p># Food and Components of food.</p> <p># Fibre to Fabric.</p> <p># Sorting Materials into Groups</p>	<p># Separation of substances.</p> <p># Body Movements..</p>	<p># Getting to Know Plants.</p> <p># The Living Organisms and Their Surroundings</p>	<p># Changes Around Us.</p>
<b>LEARNIN OUTCOMES</b>	<p><b>Students will be able to :</b></p> <ul style="list-style-type: none"> <li>investigate and observe the food components in the given food sample.</li> <li>understand the causes and symptoms of deficiency diseases with the concept of balanced diet</li> <li>classify animals based on their eating habits.</li> </ul> <p><b>Activity :</b></p> <p>* Investigation of food items: Students will investigate about the food items and their sources from their lunch box.</p> <p>* Search work/ Explore : students will record and make charts describing their diet over a week</p> <p>* Lab Activity : Testing the presence of nutrients in food</p> <p>*Video Demonstration</p> <p><b>Assessment:</b> Pen – paper test, Concept map ,PPT, HOTS , reasoning questions, Flow Charts, and Value Based Questions</p> <p><b>Students will be able to:</b></p> <p>-familiarize with the process of making cloth.</p> <p><b>-Classify the fibers.</b></p> <p><b>Activity:</b></p> <p>*Class Activity: Practicing Weaving Patterns using cut paper strips.</p> <p>*Flow chart.</p> <p><b>Assessment:</b> Pen – paper test, Concept map , HOTS , reasoning questions, Report, and Value Based Questions</p> <p><b>Students will be able to :-</b> analyze the importance of different category of materials.</p> <p>-categorize the substances according to their properties with the concept of floating and sinking.</p> <p><b>Activity:</b></p> <p>*Class activities : Demonstration of the concept of floating and sinking</p> <p>*Flowchart categorising different materials.</p> <p><b>Assessment:</b> Pen – paper test, Concept map , HOTS , reasoning questions, Quiz and Value Based Questions</p>	<p><b>Students will be able to :</b></p> <p>-enlist various methods of separation of substances.</p> <p>- demonstrate methods to differentiate the components of a complex mixture.</p> <p>- generalize various physical processes in separation.</p> <p><b>Activity:</b></p> <p>* Students will demonstrate various methods of separation of substances through class activities.</p> <p><b>Assessment:</b> Pen – paper test, Concept map , HOTS , reasoning questions, and Value Based Questions</p> <p><b>Students will be able to :</b></p> <p>- observe and study the human skeleton.</p> <p>-classify and analyze the functioning of different types of joints.</p> <p>-discuss and observe the movements in various animals.</p> <p><b>Activity:</b></p> <p>*Observation/ Discussions : Fact file of questions</p> <p>Class Activity: Pictorial representation of the skeleton.</p> <p><b>Assessment:</b> Pen – paper test, Concept map , HOTS , reasoning questions, Quiz and Value Based Questions , Flow chart, Models</p>	<p><b>Students will be able to :</b></p> <p>-classify the plants.</p> <p>-investigate various parts of the plants. (Leaves, stem, flower, fruit etc.)</p> <p><b>Activity :</b></p> <p>*Survey: To collect information about the given plants from the garden.</p> <p>*Class activities;</p> <p>Demonstration of parts of a flower.</p> <p><b>Assessment:</b> Pen – paper test, Concept map , HOTS , reasoning questions, Flow chart ,and Value Based Questions</p> <p><b>Students will be able to :</b></p> <p>-differentiate the characteristics of living and non- living</p> <p>-classify organisms on the basis of their habitat.</p> <p>-understand the relationship between biotic and abiotic components.</p> <p>-analyze the adaptive features of various animals.</p> <p><b>Activity:</b></p> <p>* Fact file/ Questionnaire</p> <p>*Flowchart / Chart making.</p> <p><b>Assessment:</b> Pen – paper test, Concept map , HOTS , reasoning questions, Quiz, File Report and Value Based Questions</p>	<p><b>Students will be able to :</b></p> <p>*interpret the concept of change.</p> <p>-enlist various types of changes eg. Reversible and irreversible changes, physical and chemical changes, desirable and undesirable changes, periodic and non-periodic changes etc.</p> <p>-analyze different types of changes in our surroundings</p> <p><b>Activity :</b></p> <p>*Class activity :Enlist the various changes observed at home</p> <p>*Demonstration of a few examples of chemical and physical changes by the teacher.</p> <p><b>Assessment:</b> Pen – paper test, Concept map , HOTS , reasoning questions, and Value Based Questions</p>
	<p><b>Notebook Maintenance (C.W./H.W)</b></p> <p><b>Main Book: NCERT</b></p>			

## Second Quarter

	July/August	September	October/November	November
Content	<p>#Water #Motion and Measurement of Distances</p>	<p>#Light , Shadow and Reflections  #Electricity and Circuits.</p>	<p># Garbage in Garbage out #Fun with magnets</p>	<p>#Air around us #Revision of Syllabus</p>
LEARNING OUTCOMES	<p><b>Students will be able to :</b> - create awareness about methods of conservation of water. - discuss and explain scientifically the concept of water cycle , rain and effects of rain. <b>Activity :</b> *Class activities : To calculate the quantity of water used at home per day.  <b>Assessment:</b> Pen – paper test, Concept map , HOTS , reasoning questions, Quiz and Value Based Questions  <b>Students will be able to :</b> - compare and measure the distance by ancient and modern methods. -observe and generalize different types of motion in surroundings. <b>Activity:</b> *Class activities : Measurement of few household things. *To enlist types of motion with examples. *Students will stand in front of the mirror and will try finding the characteristics of their image.  <b>Assessment:</b> Class test, Concept map ,, Quiz and Value Based</p>	<p><b>Students will be able to :</b> - understand the characteristics of light. -classify the objects to observe shadow formation. - comprehend the phenomenon of reflection.  <b>Activity :</b> *Class activity : Demonstration of transparent , opaque and translucent objects. * Model making <b>Assessment:</b> Class test, Concept map ,, and Value Based Questions  <b>Students will be able to :</b> understand electric current and their sources. -assemble a circuit. - differentiate open and closed circuits in relation to conductors and insulators.  <b>Activity:</b> *Class activities :To explain the working of a torch as an electric object. *Model making  <b>Assessment:</b> class test, Concept map ,, Quiz and Value Based Questions</p>	<p><b>Students will be able to :</b> *discuss the methods to minimize and manage garbage. - observe and brief about Vermicomposting, (<a href="https://www.youtube.com/watch?v=SUCVPkvRdRw">https://www.youtube.com/watch?v=SUCVPkvRdRw</a>) Landfills (<a href="https://www.youtube.com/watch?v=mRGN0KxT82A">https://www.youtube.com/watch?v=mRGN0KxT82A</a>) and Recycling (<a href="https://www.youtube.com/watch?v=6jQ7y_qYUUA">https://www.youtube.com/watch?v=6jQ7y_qYUUA</a>)  <b>Activity :</b> Survey for 15 days on how much garbage is generated in house everyday. Is it segregated ? if not can they do it and how they can dispose that off.  <b>Assessment:</b> Class test, Concept map ,, Quiz and Value Based Questions  <b>Students will be able to :</b> -distinguish between magnetic and non-magnetic materials -understand characteristics of magnets. - explain the applications of magnets in daily life.  <b>Activity:</b> *Research work: To prepare a report about application of magnets in daily life . * Class activities : Attractive and repulsive properties of a magnet.  <b>Assessment:</b> class test, Concept map ,, Quiz and Value Based Questions</p>	<p><b>Students will be able to</b> -enlist the properties of air. -discuss the composition of air.  <b>Activity:</b> *Class Activity : To show the presence of air by using in house objects like balloons, burning of a candle, windchimes, spin etc. *To show the presence of air in soil. Take a jar and put some soil and pour water in it. The formation of small bubbles will indicate the presence of air.  <b>Assessment:</b> Pen – paper test, Concept map , HOTS , reasoning questions.</p>
	<p><b>Notebook Maintenance (C.W./H.W)</b> <b>Main Book: NCERT</b></p>			

