Cambridge INTERNATIONAL SCHOOL KULLU

First Term Curriculum
Session : 2023-24
Subject- Science
Class: VI

	Feb / March	April	May	June
Content	**# Food and Components of food** **# Fibre to Fabric** **# Sorting Materials into Groups**	**# Separation of substances** **# Things around us**	**# Habitat of the Living** **# Plants- Form and Function** **# Animals- Form and Movement**	**# Changes Around Us**
Learning Outcomes	**Students will be able to :** - investigate and observe the food components in the given food sample. -classify animals based on their eating habits. -understand the causes and symptoms of deficiency diseases with the concept of balanced diet - analyze the difference between fibre and fabric -classify different types of fibers and familiarize with the process of making cloth. -compare cloth material used in early times with that of today. - analyze the importance of different categories of materials. -categorize the substances according to their properties	**Students will be able to :** -classify about pure substances and mixtures - generalize various physical processes in separation. - understand the concept of solubility - investigate biotic and abiotic components - study the characteristics of living organisms - identify the differences between living and non-living things	**Students will be able to :** -classify organisms on the basis of their habitat. -explore the adaptive features of various animals and plants -classify the plants. -investigate various parts of the plants. (root, stem, leaf and flower- their types,parts,functions and modification) -discuss and observe the movements in various animals. - observe and study the human skeleton. -classify and analyze the functioning of different types of joints	**Students will be able to :** -interpret the concept of change. -enlist various types of changes eg. Reversible and irreversible changes, physical and chemical changes, desirable and undesirable changes, periodic and non-periodic changes etc. -analyze different types of changes in our surrounding
Skills	**Knowledge/ Understanding/Application/ Analysis/Evaluation/Create**	**Knowledge/ Understanding/ Application/Analysis/ Evaluation/Create**	**Knowledge/ Understanding/ Application/Analysis/ Evaluation/Create**	**Knowledge/ Understanding/ Application/ Analysis/Evaluation/Create**
Activities	**Competency skill based Activities/ Experiential learning Activities** ***** Investigation of food items: * Search work/ Explore : students will record and make charts describing their diet over a week * Lab Activity : Testing the presence of nutrients in food. *Practicing Weaving Patterns using cut paper strips *Demonstration of the concept of floating and sinking *Making an art piece using one particular property **(Integration with ,IT, Value Education, Art and English)**	**Competency skill based Activities/ Experiential learning Activities** * Students will demonstrate various methods of separation of substances through class activities. * Report on the topic " Invisible yet important " **(Integration with English and IT)**	**Competency skill based Activities/ Experiential learning Activities** *Role play *Flowchart / Chart making *Making a herbarium *Demonstration of parts of a plant(root,stem,leaf and flower) *Experiments related to root,stem and leaf *Representation of the skeleton **(Integration with Art and IT)**	**Competency skill based Activities/ Experiential learning Activities** * I wish I could change *Demonstration of a few examples of chemical and physical changes **(Integration with Art and Value Education)**
Assessments	**; Pen – paper test,Observation, Diagrams, Report,Tabular information, Concept map , HOTs , reasoning questions,Search work,Model,Quiz,Value Based Questions,C.W and H.W**			
	Main Book: Cambridge Science Voyage			

Cambridge INTERNATIONAL SCHOOL KULLU

Final Term Curriculum
Session : 2023-24
Subject- Science
Class: VI

	July/August	September	October	November
Content	**#Measurement and Motion** **#Fun with magnets**	**#Light , Shadow and Reflections** **#Electricity and Circuits**	**#Garbage in Garbage out** **# Rain,Thunder and Lightning and Water and its importance**	**#Air around us** **#Revision of Syllabus**
Learning Outcomes	**Students will be able to :** -compare and measure the distance by ancient and modern methods. -observe and generalize different types of motion in surroundings. -distinguish between magnetic and non-magnetic materials -discuss the characteristics of magnets. - explain the applications of magnets in daily life.	**Students will be able to** : - analyze the characteristics of light. -classify the objects to observe shadow formation. - comprehend the phenomenon of reflection. -understand electric current and their sources. -assemble a circuit. -differentiate open and closed circuits in relation to conductors and insulators.	**Students will be able to :** -discuss the types of wastes -recognise the concept of three R (reduce, reuse, recycle) -discuss the methods to minimize and manage garbage. -identify the importance of water,its states and sources -discuss and explain scientifically the concept of water cycle - create awareness about methods of conservation of water.	**Students will be able to:** -enlist the properties of air. -discuss the composition of air
Skills	**Knowledge/ Understanding/ Application/Analysis/ Evaluation/Create**	**Knowledge/ Understanding/ Application/Analysis/Evaluation/ Create**	**Knowledge/ Understanding/ Application/Analysis/Evaluation/ Create**	**Knowledge/ Understanding/ Application/Analysis/Evaluation /Create**
Activities	**Competency skill based Activities/ Experiential learning Activities:** *Class activities : Measurement of a few household things. *Students will make magnet related games **(Integration with Art, SST and Math)**	**Competency skill based Activities/ Experiential learning Activities:** *Class activity : Demonstration of transparent , opaque and translucent objects. *Play and form shadows with hands *Making a pin hole camera/periscope *Circuit working model **(Integration with SST and Art)**	**Competency skill based Activities/ Experiential learning Activities:** *Survey on waste generation at home .*Making a rain gauge **(Integration with Art)**	**Competency skill based Activities/ Experiential learning Activities:** *Experiment in properties of air * Poster on ways to reduce air pollution **Integration with Art**
Assessments	**: Pen – paper test,Observation, Diagrams, Report,Tabular information, Concept map , HOTs , reasoning questions,Search work,Model,Quiz, Value Based Questions,C.W and H.W**			
	Main Book: Cambridge Science Voyage			