First Term Curriculum
Subject: Science
Class: VI
Session: 2026-27

	April	May	June	July
Content	*** Mindful Eating**	***Diversity in the living World - Plants** ***Diversity in the living World - Animals**	*** Measurement of Length and Motion** *** Temperature and its measurement**	*** Temperature and its measurement (Cont...)**
Learning Outcomes	**Students will be able to:** -Identify the variety of nutrients present in food - Investigate and identify the presence of major food components- carbohydrates, proteins and fats-in a given food sample using simple tests and observations -Describe the importance of a balanced diet and explain how the deficiency of specific nutrients (like vitamins, minerals, proteins) can lead to related diseases, along with their symptoms	**Students will be able to:** - Recognise and describe the diversity of plant and animal species - Classify plants -Investigate and describe various plant structures. (root, leaf and seed- their types and functions) -Classify animals on the basis of their movement -Explore the adaptive features of various animals and plants to different habitat	**Students will be able to:** -Compare and measure the distance by ancient and modern methods -Describe different standard units of measurement - -Interpret the concept of temperature and different temperature scales -Describe the working of different types of thermometers	**Students will be able to:** -Recognize the need for accurate temperature measurement and differentiate between types of thermometers used in daily life (such as clinical, laboratory, and digital thermometers)
Skills	Cognitive skills: Critical thinking, problem solving, observation and analysis, research skills Practical and technical skills: Data collection and recording Communication skills: Scientific communication, listening and interpretation Emotional and social development: Curiosity and exploration, responsibility and ethics Academic and career readiness: Scientific literacy	Cognitive skills: Critical thinking, problem solving, observation and analysis Practical and technical skills: Data collection and recording, use of tools and technology Communication skills: Scientific communication, teamwork, listening and interpretation Emotional and social development: Curiosity and exploration, responsibility and ethics Academic and career readiness: Interdisciplinary learning, Scientific literacy	Cognitive skills: Critical thinking, observation and analysis, research skills Communication skills: Scientific communication, teamwork Emotional and social development: Curiosity and exploration, patience and perseverance, responsibility and ethics Academic and career readiness: Interdisciplinary learning	Cognitive skills: Critical thinking, problem solving, observation and analysis Practical and technical skills: Experimentation Communication skills: Scientific communication, teamwork, listening and interpretation Emotional and social development: Curiosity and exploration, responsibility and ethics Academic and career readiness: Scientific literacy

Activities	**Competency Skill based Activities/ Experiential learning Activities** *Conduct a role play on deficiency diseases where students learn about symptoms and causes. Assign diseases such as anemia and rickets to students—some act as 'patients' showing symptoms, while others diagnose the condition *Collect food labels of any five different types of packed foods, read and record their nutritional value to find out if they are considered healthy * Lab Activity: Testing the presence of nutrients in food. **(Integration with Art)**	**Competency Skill based Activities/ Experiential learning Activities** ***Field Trip-** Visit to G.B. Pant National Research Institute, Mohal to explore and observe the diversity ***Art integration project:** Comparison of diversities(animals) in Himachal Pradesh & peer state *Collect plant specimens and make a herbarium file *Research on Sacred Grooves in India **(Integration with Art and IT)**	**Competency Skill based Activities/ Experiential learning Activities** *Measure the length of common objects using ancient and modern methods *Search work on the tallest building in the world, deepest sea in the world, Longest river in the world **(Integration with Art and Mathematics)**	**Competency Skill based Activities/ Experiential learning Activities** *Reading of clinical and laboratory thermometer *Making of simple thermometer **(Integration with Art, Mathematics)**
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 Splendid Science (New Edition) **Publisher: Cambridge University Press**			

Final Term Curriculum
Subject: Science
Class: VI
Session: 2026-27

	August	September	October/November	December / January
Content	***Methods of Separation in Everyday Life** *** Material Around Us**	*** Material Around Us (Cont…)** ***Beyond Earth**	***Exploring Magnets** ***Nature's Treasure**	***Living Creatures-Exploring their Characteristics** *** A Journey through States of Water**
Learning Outcomes	**Students will be able to :** -Classify pure substances and mixtures - Compare the various physical processes in separation. - Demonstrate various methods of separation of substances through class activities. -Analyze the importance of classifying materials - Classify objects based on similar properties -Identify and describe key properties of materials	**Students will be able to :** - Explain how the properties of materials affect their functionality and use in various objects - Identify and describe various celestial objects such as stars, planets, moons, asteroids, comets, and meteors based on their characteristics and appearance in the sky. -Distinguish between comets and asteroids based on their composition, structure, orbits, and visibility from Earth.	**Students will be able to** **-**Distinguish between magnetic and non-magnetic materials based on observation and experimentation. - Explain the applications of magnets in everyday objects and devices, such as magnetic compasses, refrigerator doors, magnetic strips, speakers, and electric motors. - Enlist major natural resources and describe their roles in maintaining ecological balance - Differentiate between renewable and non renewable resources -Analyze importance of forests and soil	**Students will be able to:** - Identify and describe the basic characteristics of living organisms. - Draw and describe the life cycles of plants, mosquitoes and frogs - Identify and categorize the substances into solid liquid and gases state - Explain how water changes from one state to another through real life example -Analyse and discuss factors that affect the rate of evaporation -Describe the stages of the water cycle
Skills	Cognitive skills: Critical thinking, problem solving, observation and analysis Practical and technical skills: Experimentation, Use of tools and technology Communication skills: Scientific communication, teamwork, listening and interpretation Emotional and social development: Curiosity and exploration Academic and career readiness: Scientific literacy	Cognitive skills: Critical thinking, problem solving, observation and analysis Practical and technical skills: Experimentation Communication skills: Scientific communication, listening and interpretation Emotional and social development: Curiosity and exploration, responsibility and ethics Academic and career readiness: Scientific literacy	Cognitive skills: Critical thinking, problem solving, observation and analysis, research skills Practical and technical skills:Experimentation, Use of tools and technology Communication skills: Scientific communication, teamwork, listening and interpretation Emotional and social development: Curiosity and exploration Academic and career readiness: Scientific literacy, Interdisciplinary learning	Cognitive skills: Critical thinking, problem solving, observation and analysis, research skills Practical and technical skills: Experimentation, Data collection and recording Communication skills: Scientific communication, listening and interpretation Emotional and social development: Curiosity and exploration, responsibility and ethics Academic and career readiness: Scientific literacy

Activities	**Competency Skill based Activities/ Experiential learning Activities:** *Identify various separation techniques used at home *Class Activity: Choose the Right separation method -Give students real-life mixtures like Sand + water Rice + stones,Oil + water Students select and justify the correct separation method (filtration, handpicking, decantation) **(Integration with Mathematics and English)**	**Competency Skill based Activities/ Experiential learning Activities:** *Carry out research about some other ways of classifying objects and present a report *Star Gazing journal; observe the night sky and record changes *Model making on the solar system **(Integration with IT and Art)**	**Competency Skill based Activities/ Experiential learning Activities:** *Role Play; Magnet World to reinforce understanding of magnetic behavior *Make a compass to understand how magnets help in finding directions *Water Usage Audit**:**To analyze daily water usage and promote conservation ***Field Trip**: Visit to water treatment plant **(Integration with Art)**	**Competency Skill based Activities/ Experiential learning Activities:** ***Germinate bean seeds and record the time and favorable conditions for germination *Role Play – Life Processes**:**To understand characteristics of living beings *Comic strip creation activity representing life cycle of organisms ***Group Experiment;States Comparison- compare properties of three states *Model on water cycle **(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**			
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