



JINDAL VIDYA MANDIR, JSW HILL SIDE TOWNSHIP

Syllabus Bifurcation: 2025-26

Subject: Science

Class: VI

Term: I

| Sl No. | Month | W D | ID | No. of Periods | Chapter /Units | Learning Objectives | Activities | Assessment Methods | Portion for WT/PT/Term/AE |
|--------|-------|-----|----|----------------|---------------------------------------|---|--|--------------------|---------------------------|
| 1 | April | 13 | 13 | 3 | Bridge Course | 1. Recall the concept and strength the important topics from previous years. | | | |
| | | | | 5 | Ch. 1. The Wonderful World of Science | 1. Identify what science is about 2. Develop curiosity and Explore the world scientifically 3. Realize science is everywhere, 4. Know the importance of Earth 5. Appreciate diversity in life and food 6. Identify materials around us | Name any 10 scientist and their contributions | Concept mapping | |
| | | | | 5 | Ch.2 Diversity in the Living World | 1. Identify the concept of biodiversity and its importance. 2. Observe and record features of various plants and animals. 3. Investigate to group organisms based on similarities and differences. | Nature walk-students to identify trees, herbs, shrubs etc. Also find different-types of roots and leaves. | | |

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| 2 | June | 20 | 20 | 8 | ch.2 Diversity in the Living World | <p>4. Identify adaptations in living beings according to their habitats.</p> <p>5. Explore the relationship between roots, venation, and seeds.</p> <p>6. Appreciate the need to conserve biodiversity for future generations</p> | SEA-Read about one Indian scientist or a wildlife biologist who is working towards protection of India's biodiversity. Prepare a brief report. | Debate (Healthy food vs junk food) | |
| | | | | 12 | Ch.3.Min dful Eating: A Path to a Healthy Body | <p>1. Identify the significance of food in daily life and its role in maintaining health.</p> <p>2. Identify different components of food—carbohydrates, fats, proteins, vitamins, minerals, water, and roughage—and their functions.</p> <p>3. Explore food diversity in India, based on regional crops, traditions, and climatic conditions.</p> <p>4. Observe changes in culinary practices over time and understand their causes.</p> <p>5. Examine to test food for nutrients like starch, proteins, and fats using simple experiments.</p> <p>6. Identify the importance of a balanced diet and identify deficiencies that cause diseases.</p> <p>7. Recognize the value of local food, millets, and reducing food miles to support health and sustainability.</p> | SEA-Process of making salt and its uses. Collect the pictures paste them and explain the process. | | Weekly test (27/06/2025) portion-Ch 1 and ch-2 |

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| 3 | July | 25 | 20 | 10 | Ch.4.Exploring Magnets | 1. Identify magnetic and non-magnetic materials. 2. Know magnets have two poles. 3. Experience that Like poles repel; unlike poles attract. 4. A magnet shows north-south direction. 5. Use and learn to make a magnetic compass. 6. Investigate how Magnetic force acts through materials. | To make your own magnet. | Quiz | Periodic test portion-Ch 1 - Ch-4 |
| | | | | 10 | PT-1 Revision | | | | |
| 4 | August | 20 | 20 | 10 | Ch.5.Measurement of Length and Motion | 1. Identify traditional and standard units of length measurement. 2. Explain the need for standard units in measurement. 3. State the SI unit of length and its subunits (mm, cm, m, km). 4. Use appropriate tools (scale, measuring tape, thread) to measure different lengths. 5. Demonstrate correct techniques for accurate measurement. 6. Measure lengths of straight and curved lines using suitable methods. 7. Identify the concept of a reference point in describing position. | Make a chart of traditional and standard units of measurement. | Class test | Weekly test (22/8/2025) portion-Ch 5 |

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| | | | | 10 | ch.6.Materials Around Us | <p>1. Identify objects and the materials they are made from.</p> <p>2. Classify materials based on properties like hardness, transparency, and solubility.</p> <p>3. Differentiate between lustrous and non-lustrous materials.</p> <p>4. Define the terms transparent, translucent, and opaque.</p> <p>5. Observe and compare materials that dissolve in water and those that do not.</p> <p>6. Compare the weight (mass) of different materials using simple tools.</p> <p>7. Identify the concept of matter as anything that has mass and occupies space.</p> <p>8. Relate the use of materials to their properties (e.g., using metal for hard objects).</p> | Test for solubility | | |
| 5 | September | 20 | 12 | 12 | Revision | | | Oral test/quiz, Class test (pen paper test) | Term I Examination (portion Ch 1-Ch 6) |

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| 6 | October | 19 | 19 | 8 | Ch.7. Temperature and its measurement | <p>1. Examine temperature as a measure of hotness or coldness and its importance.</p> <p>2. Differentiate between types of thermometers and their uses.</p> <p>3. Measure temperature correctly using clinical and laboratory thermometers.</p> <p>4. Read and interpret temperature on different scales (°C, °F, K).</p> <p>5. Follow safety and hygiene precautions while using thermometers.</p> <p>6. Record and analyze body and air temperature data.</p> <p>7. Appreciate the role of temperature in health and weather forecasting.</p> | Read and interpret temperature. | Oral test | |
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| | | | | 5 | <p>Ch.8. Journey through states of water</p> | <p>1. Identify and describe the three states of water – solid, liquid, and gas.</p> <p>2. Observe and explain how water changes its state by heating or cooling (melting, freezing, evaporation, condensation).</p> <p>3. Identify evaporation and condensation through daily life examples and simple activities.</p> <p>4. Explore the water cycle and how clouds and rain are formed.</p> <p>5. Investigate factors that affect the rate of evaporation (like heat, air, and surface area).</p> <p>6. Experience the cooling effect due to evaporation and understand its practical uses.</p> <p>7. Record observations, ask questions, and draw conclusions from experiments.</p> <p>8. Recognize the importance of using water wisely and protecting water sources.</p> | <p>Model of three states of water</p> | | |
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| | | | | 6 | Ch.9. Methods of Separation in Everyday Life | 1. Investigate why we separate substances in everyday life. 2. Identify different types of mixtures and their components. 3. Explain common methods of separation like handpicking, threshing, winnowing, and sieving. 4. Explore liquid-solid separation methods like sedimentation, decantation, filtration, and evaporation. 5. Explore special methods like churning and magnetic separation. 6. Choose the right method based on the type of mixture. 7. Relate separation methods to real-life situations and activities. 8. Perform simple activities to observe and apply separation techniques. | SEA -Collect 20–30 objects from your household and classify them based on the properties of the materials they are made up of. List the properties of the materials and the uses. | | |
| | November | 22 | 22 | 8 | Ch.10. Living creatures -exploring their characteristics | 1. Identify living and non-living things. 2. List characteristics of living beings. 3. Observe growth and movement in plants. 4. Identify conditions for seed germination. 5. Know the life cycle of a plant. 6. Recognize stages of mosquito and frog life cycles. 7. Notice changes in body and habitat during life cycles. 8. Practice observation and recording skills. | SEA-Life cycle of frog and mosquito. Create a picture book containing pictures of various stages of their growth. | Draw and label - seed germination process. | Weekly test (21/11/2025) Portion-Ch 7 and ch-8 |

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| | | | | 7 | Ch.11. Nature's Treasures | 1. Recognize the importance of natural resources. 2. Identify types of resources – air, water, soil, sunlight, forests. 3. Know the Sun as the main source of energy. 4 .List uses of air and water and ways to conserve them. 5. Differentiate renewable and non-renewable resources. 6. Differentiate human-made resources from natural ones. 7. Value conservation of forests and soil. 8. Develop habits to use resources wisely. | To make a list of mineral resources and the place of availability. | | |
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| | | | | 7 | Ch. 12. Beyond Earth | <ol style="list-style-type: none"> 1. Identify stars and constellations in the night sky. 2. Identify the use of constellations in finding directions. 3. Know that the Sun is the closest star and gives us heat and light. 4. List the names and order of the eight planets. 5. Understand the difference between stars, planets, and satellites. 6. Know that the Moon is Earth's natural satellite. 7. Explore about other space objects like asteroids and comets. 8. Know that our Solar System is part of the Milky Way Galaxy. 9. Explore there are many galaxies in the Universe. 10. Practice safe night sky watching and use sky maps or apps. 11. Appreciate cultural stories related to stars and planets. 12. Encourage observation, curiosity, and scientific thinking. | Construct solar system model | | |
| 8 | December | 26 | 26 | 26 | Periodic test Revision | | | Pen paper test | Periodic test portion-Ch7 -Ch-10 |
| 9 | January | 22 | 17 | 17 | Revision | | | Oral test/quiz, Class test (pen paper test) | |

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| 11 | February | 23 | 22 | 22 | Revision | | | Oral test/quiz, Class test (pen paper test) | Weekly test (06/02/2026) portion-Ch 11 and ch- 12 |
| | March | | | | | | | | Term- II Examination (portion Ch 7-Ch 12 and ch 2 from term 1) |