

**VAILANKANNI VOICE - OCTOBER 2024**  
**Grade: VIII**

| Subject | Week | Topics to be Covered  | Learning Outcomes   | Number of Assignments/ Worksheets | Number of Assessments | Teacher's Lead Activity   | Student's Lead Activity  | Materials Required |
|---------|------|---|---|-----------------------------------|-----------------------|---|--|--------------------|
| English | I    |   |   |                                   |                       |   |  |                    |
|         | II   | Prose- 5 The Summit Within  | Students learn the importance of understanding themselves, recognizing their strengths, and overcoming their fears through personal challenges.   | -                                 | 1                     | PPT on Mt.Everest   | Descriptive writing (Hills/Mountains)                                    | A4 sheet           |
|         | III  | Poem-6 The School Boy<br>Literary Devices.                                    | Students learn the importance of freedom and nature for a child's happiness, and understand how rigid education can suppress joy and creativity. students to reflect on the balance between structured education and personal freedom for holistic development.   | -                                 | 1                     | Discussion on School experiences.                                       | Debate : (Traditional School and Modern School)                          | -                  |
|         | IV   | Grammar: Active and Passive voice, Prefix and Suffix.<br>Informal Letter      | Students will be able to identify and differentiate between active and passive voice in sentences.<br>Students will be able to transform sentences from active to passive voice and vice versa, enhancing flexibility in communication. Students will recognize and apply the correct format of an informal letter, including elements like the date, salutation, body, closing, and signature. | 1                                 | 1                     | PPT on voice  | Sentence transformation activity.  | -                  |
| Tamil   | I    | இயல்: 4 கல்வி அழகே அழகு, புத்தியைத் தீட்டு .                                  | நீதி நூல்களைப் படித்து அறக்கருத்துக்களை வாழ்வில் பின்பற்றுதல்   |                                   |                       |   | பாடல் பாடுதல்  |                    |
|         | II   | பல்துறைக் கல்வி   | பல்துறைக் கல்வி பற்றி அறிந்து கற்று வாழ்வில் உயர்தல்  | 1                                 |                       |   |  |                    |
|         | III  | திருக்குறள், ஆன்ற குடிப்பிறத்தல்  | வாழ்க்கை நிகழ்வுகள் மூலம் வாழ்வியல் விழுமியங்களை அறிதல்   |                                   |                       |   | கதைக் கூறுதல்  |                    |
|         | IV   | வேற்றுமை இயல் 5 திருக்கேதாரம்   | பொருள் வேறுபாடுகளை உணர்த்துவதில் வேற்றுமை உருபுகளின் பங்கினை அறிந்து பயன்படுத்துதல்   |                                   |                       |   | மனவரைப்படம்  |                    |
| Hindi   | I    | இயல் 5 திருக்கேதாரம்  | इस कविता से छात्रों में दूसरों को सम्मान देने की भावना बढ़ेगी   | 1                                 |                       | इस कविता का भाव के साथ वाचन करवाए और कविता का भाव बताएं                 | हर पंक्ति ध्यान से पढ़ कर कक्षा में सुनाना                               | पुस्तक             |
|         | II   | पाठ- 9 दीये का अभियान अर्थ के साथ पाठ में दिए गए उदाहरण को समझाकर पाठ पढ़ाना। | छात्र इस कविता से सीख सकते हैं कि अहंकार ना करना और दूसरों को तुच्छ ना समझना  |                                   |                       | सूर्य चांद तारे आदि प्राकृतिक चीजों की विशेषताओं की जानकारी देना        | सूर्य चांद तारे आदि प्राकृतिक चीजों की विशेषताओं की जानकारी प्राप्त करना |                    |
|         | III  | पाठ- 9 दीये का अभियान   |   |                                   |                       | इस पाठ से संबंधित पुस्तक का विकास व्याकरण उत्तर के साथ बच्चों को समझाना | बच्चे व्याकरण की जानकारी प्राप्त कर सकते हैं                             |                    |
|         | IV   | पाठ- 9 दीये का अभियान   | लिखने का अभ्यास सीखेंगे   |                                   |                       |   |  |                    |

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| <b>Math</b> | I   |   |   |   |   |  |  |
|             | II  | <p>Chapter- 5 Squares and Square roots.<br/>1.Introduction &amp; Properties of Square Numbers<br/>2.Some more interesting patterns 3.Exercise - 5.1, Q-1, 2 &amp; 3<br/>Q-7(i &amp; ii),<br/>Q-8(i) &amp; Q-9(i &amp; ii)"</p> <p>Finding the Sqaure of a number,<br/>Exercise-5.2, Q-1(i to iii)<br/>Q-2(i &amp; ii)"</p>                    | <p>Students will develop the ability to understand 1. Square and Square root of numbers. 2. The number is a perfect square. 3.The square root by prime factorization. 4. The square root by division method. 5. The square root of decimals. 6. The estimation of square roots.</p> | 1 | 1 | <p>To explore the relationship between length and area of different squares.</p> | <p>Cardboard<br/>, Colour sheets,<br/>Glue</p> |
|             | III | <p>Chapter- 5<br/>"Square Roots, Exercise-5.3, Q-1,2 &amp; 4(i to v)"<br/>"Exercise-5.3, Q-5(i to iii),<br/>Q-6(i to iii) , Q-7 &amp; 9"<br/>"Finding Sqaure root by divison method,<br/>Exercise-5.4 Q-1(i to viii) &amp; Q-2"<br/>"Square Roots of Decimals<br/>Q3(i to iii),<br/>Q4(i to iii) &amp; Q5(i to iii)"<br/>Q6, 7(a) &amp; 8</p> |   | 1 | 1 |  |  |
|             | IV  | <p>Chapter-6 Cube and Cube roots.<br/>Introduction and Some interesting patterns.<br/>Smallest multiple that is a perfect cube.<br/>Exercise - 6.1, Q-1 ( i , ii &amp; v ), Q-2 ( i , ii &amp; v )<br/>Exercise - 6.1, Q-3 ( i , ii &amp; v ), Q-4</p>  | <p>Students would be able to 1. Develop the ability to analyze and differentiate square root and cube root. 2. Perform numerical skills and solve the word problems that involve solving for cubes or cube roots and develop critical thinking and collabration in the process.</p> | 1 | 1 | <p>Exploring the cube of numbers.</p>  |  |

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| Physics   | I   | Ch-10 Sound-Introduction,sound produced by a vibrating body, Sound produced by humans, sound needs a medium for propagation                 | They understands various sources of sound, they can differentiate sounds produced by different objects, they understand the need of medium for sound propogation   |   |   | Explanation with different objects producing different sounds                        | Seminar   | Spoon , pencil scale etc  |
|           | II  | Sound is heard by our ears, Amplitude, Time Period, Frequency of vibration and Loudness and pitch, Audible and in-audible sounds            | Students understand the mechanism of human ear. they identify the various terms related to sound and can define them. Categorize the sound vibrations as audible and in-audible.                             |   |   | raising questons related to dvfferent sounds that are audible and inaudble           | semmnar   | erasor, pen, pencil, tunng fork, flute, etc.                    |
|           | III | wirtng classwork till the portions covered.   |  |   |   |  |   |   |
|           | IV  | Noise pollution, hearing imparment  | The pupil wll know the causes of noise pollution and measures to prevent it. They will also understand the reasons of hearing impairment and the special care needed for the people with learnng disability. | 1 | 1 | using smart board the various devced used by the dsabled people can be explained.    | collaborative work - collectng nformaton regarding noise pollution and presentng a seminar or ppt | AV resouces   |
| Chemistry | I   |   |  |   |   |  |   |   |
|           | II  | Ch-11 Chemical effects of electric current<br>* Electric current<br>* Conductors<br>and<br>Insulators<br>* Liquids that conduct electricity | Students will be familiar with conductors and insulators in solids and liquids.  |   |   | Testing conduction of electricity in different solutions using a battery and an LED. | Experiment to determine whether various materials are conductors or insulators of electricity.    | Battery, wires, LED and different liquids and materials to test |
|           | III | Ch-11 Chemical effects of electric current<br>* Notes for the completed portions.<br>* Chemical effects of electric current                 | Students will recollect the effects of electric current and learn in detail about the chemical effects of electric current.  | 1 | 1 | Demonstrating electrolysis of water.   | Activity to examine the change in colour due to Chemical effect of electric current               | Battery, wires, potato, salt water, carbon rods and an LED.     |
|           | IV  | Ch-11 Chemical effects of electric current<br>* Electroplating.<br>* Uses of electroplating.  | Students understand the concept of electroplating and various daily life applications of electroplating.   |   |   | Smartboard   |   |   |

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| Chemistry foundation           | II  | Ch: 4 Chemical effects of electric current-introduction, conduction of electricity in liquids. | Children might have learnt the different types of liquid conductors.   |   |   |                                    |                     |                     |
|                                | III | Ch: 4 Chemical effects of electric current-electrolytes, good and bad conductors, insulators.  | Children might have understood the force of attraction between positive and negative ions  | 1 | 1 |                                    |                     |                     |
|                                | IV  | Ch: 4 chemical effects of electric current-theory of electrolytes and formation of ions.       | children would have understood the concept of ion formation.   |   |   |                                    |                     |                     |
| Biology and Biology Foundation | I   |  |  |   |   |                                    |                     |                     |
|                                | II  | Deforestation, Forest , Biosphere Reserve  | Children will get an idea on the environment and also on the organisms surviving in our Environment  |   |   |                                    |                     |                     |
|                                | III | Endemic Secies, National Park, Red Data Book   | Children will get to understand the species that were longg back present on the earth and also they will understand on how the remaining species can be saved from getting extinct from our Environment. | 1 | 1 | Explanation                        | Seminar             |                     |
|                                | IV  | Methods to survive and save Environment and C/W Completion.                                    | Students will get Understanding on Migration , Reforestation and also the recycling of papers and other methods to protect our Environment.  |   |   |                                    |                     |                     |
| Social Science                 | I   | -  | -  | - | - | -                                  | -                   |                     |
|                                | II  | His Ln 2 From trade to territory   | Students will be able to understand the political and economic causes of British power in India and find means to eradicate it   | 1 | 1 | Resource book,videos,live examples | seminar,Role play   | Text books          |
|                                | III | His Ln 2 From trade to territory   | Students will be able to understand the political and economic causes of British power in India and find means to eradicate it   |   |   | Resource book,videos,live examples | seminar,Role play   | Text books          |
|                                | IV  | Geo-Ln 4 AAgriculture  | Students will acquire knowledge about food crops and the importance of farmers   |   |   | Videos ,PPT                        | Hands on activities | Seeds,man ure water |
| Live Life                      | I   |  |  |   |   |                                    |                     |                     |
|                                | II  | LN- 9 Suprer Strength  | Students will be able to understand the strengths that tassist them in building and shaping their future   | - | - | Interractive session               | Index card          | Book                |
|                                | III | LN-10 On Cloud   | Students will be able to understand the differences between real life happiness and superflcal happiness.  | - | - | Livelifc Exampels                  | Interactive session | Book                |
|                                | IV  | LN-11 Make Your Mark   | Students will be able to understand how the mission statement help them to create an extraordinary life.   | - | - | Inspire person                     | Group discussion    | book                |