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| <b>Grade Level:</b>                            | <b>1st</b>  |
| <b>Class Title:</b>                            | <b>Science</b>  |
| <b>Subject:</b>                                | <b>Science</b>  |
| <b>Class Description:</b>                      | <p>This class will encourage the student’s natural curiosity to become a better questioner, observer, and thinker. The Student will develop the ability to use simple tools and to solve problems in creative ways.</p> <p>This course will introduce the student to the fundamentals of the following Science topics:<br/> Physical Science- Force, Properties of Materials and Forms of Energy-Sound &amp; Light<br/> Earth and Space- Sun’s Daily Motion, Water and Weather-Patterns of sun, moon, and stars, amount of daylight related to time of year<br/> Life Science- Life Cycles, Ecosystems and Inherited Characteristics-Plants</p> <p>This class will work toward one or more CCSS. This will be a year-long class, spanning the 2017-2018 school year.</p> <p>The estimated instructional hours for this class are ____per week.</p>  |
| <b>Learning Materials:</b>                     | List all materials.   |
| <b>Learning Goals/ Performance Objectives:</b> | <ol style="list-style-type: none"> <li>1. Observe and describe using senses</li> <li>2. Compare and Contrast</li> <li>3. Identify parts of processes, system, cycles, or animals</li> <li>4. Explain the function or job of parts of a system or animal</li> <li>5. Ask questions about key details in text-CCS</li> <li>6. Ask and answer who, what, where when, why, and how to demonstrate understanding of key details in a text-CCS</li> <li>7. Sort and Classify</li> <li>8. Explore Cause and Effect</li> <li>9. Examine ideas with in topic of study</li> <li>10. Find examples in nature</li> <li>11. Summarize topics</li> <li>12. Identify main topic-CCS</li> <li>13. Recognize ideas and vocabulary with in topic of study</li> <li>14. Measure and order by weight, capacity, height, length, and temperature</li> <li>15. Investigate questions with in topic of study</li> <li>16. Record and graph data</li> <li>17. Label and explain diagrams</li> <li>18. Define terms related to study</li> <li>19. Participate in a shared research and writing projects-CCS</li> <li>20. Use drawing, dictating, and/or writing to explain about a topic-CCS</li> </ol> <p>Physical</p> <ol style="list-style-type: none"> <li>1. Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.</li> <li>2. Plan and conduct investigations to determine the effect of placing objects made with different materials in the path of a beam of light.</li> <li>3. Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance.</li> <li>4. Use tools and materials provided to design and build a structure that will</li> </ol> |

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|  | <p>reduce the warming effect of sunlight on Earth's surface.</p> <p>Life</p> <ol style="list-style-type: none"> <li>1. Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.</li> <li>2. Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive.</li> <li>3. Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents.</li> </ol> <p>Earth</p> <ol style="list-style-type: none"> <li>1. Use observations of the sun, moon, and stars to describe patterns that can be predicted.</li> <li>2. Make observations at different times of year to relate the amount of daylight to the time of year.</li> </ol> <p>A team of certificated teachers who are highly qualified in this subject matter has reviewed this WSLP.</p> |
| <b>Learning Activities:</b>                      | <p>(Student Name) Read for 30 minutes for information on a topic each week<br/>         (Student Name) will participate in conducting one experiment each week<br/>         (Student Name) will participate in a shared research project each month<br/>         (Student Name) will complete ___pages per week/month in Science workbook<br/>         (Student Name) will compare and contrast two objects (using a Venn diagram) each month<br/>         (Student Name) will draw or label a diagram each month<br/>         (Student Name) will keep a list of vocabulary words for the topic of study each month</p>  |
| <b>Progress Criteria/ Methods of Evaluation:</b> | <p>[Student's name] will keep a portfolio of weekly work samples and any written assessments to present to consultant at face-to-face meetings each month. Monthly assessments will be completed by the consultant/certified teacher. Monthly Progress will be marked satisfactory or unsatisfactory based on the professional judgment of the certified teacher using parent input, work samples, and monthly assessments.</p>   |