

Grade Level:	1st
Class Title:	Science
Subject:	Science
Class Description:	<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: Physical Science- Force, Properties of Materials and Forms of Energy-Sound & Light Earth and Space- Sun’s Daily Motion, Water and Weather-Patterns of sun, moon, and stars, amount of daylight related to time of year 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 2018-2019 school year.</p> <p>The estimated instructional hours for this class are ____per week.</p>
Learning Materials:	List all materials.
Learning Goals/ Performance Objectives:	<ol style="list-style-type: none"> 1. Observe and describe using senses 2. Compare and Contrast 3. Identify parts of processes, system, cycles, or animals 4. Explain the function or job of parts of a system or animal 5. Ask questions about key details in text-CCS 6. Ask and answer who, what, where when, why, and how to demonstrate understanding of key details in a text-CCS 7. Sort and Classify 8. Explore Cause and Effect 9. Examine ideas with in topic of study 10. Find examples in nature 11. Summarize topics 12. Identify main topic-CCS 13. Recognize ideas and vocabulary with in topic of study 14. Measure and order by weight, capacity, height, length, and temperature 15. Investigate questions with in topic of study 16. Record and graph data 17. Label and explain diagrams 18. Define terms related to study 19. Participate in a shared research and writing projects-CCS 20. Use drawing, dictating, and/or writing to explain about a topic-CCS <p>Physical</p> <ol style="list-style-type: none"> 1. Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate. 2. Plan and conduct investigations to determine the effect of placing objects made with different materials in the path of a beam of light. 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. 4. Use tools and materials provided to design and build a structure that will

	<p>reduce the warming effect of sunlight on Earth's surface.</p> <p>Life</p> <ol style="list-style-type: none"> 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. 2. Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive. 3. Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents. <p>Earth</p> <ol style="list-style-type: none"> 1. Use observations of the sun, moon, and stars to describe patterns that can be predicted. 2. Make observations at different times of year to relate the amount of daylight to the time of year. <p>A team of certificated teachers who are highly qualified in this subject matter has reviewed this WSLP.</p>
Learning Activities:	<p>(Student Name) Read for 30 minutes for information on a topic each week (Student Name) will participate in conducting one experiment each week (Student Name) will participate in a shared research project each month (Student Name) will complete ___pages per week/month in Science workbook (Student Name) will compare and contrast two objects (using a Venn diagram) each month (Student Name) will draw or label a diagram each month (Student Name) will keep a list of vocabulary words for the topic of study each month</p>
Progress Criteria/ Methods of Evaluation:	<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>