

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:</p> <p>Physical Science</p> <ul style="list-style-type: none"> • Students are expected to develop understanding of the relationship between sound and vibrating materials as well as between the availability of light and ability to see objects. <p>Life Science</p> <ul style="list-style-type: none"> • Students are also expected to develop understanding of how plants and animals use their external parts to help them survive, grow, and meet their needs as well as how behaviors of parents and offspring help the offspring survive. <p>Earth and Space Science</p> <ul style="list-style-type: none"> • Students are able to observe, describe, and predict some patterns of the movement of objects in the sky. <p>This class will work toward one or more CCSS. This will be a year-long class, spanning the 2020-2021 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 Science—Waves: Light and Sound</p>

1. Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.
2. Make observations to construct an evidence-based account that objects can be seen only when illuminated.
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.

Life Science—Structure, Function, and Information Processing

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.

Earth and Space Science—Space Systems: Patterns and Cycles

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.

A team of certificated teachers who are highly qualified in this subject matter has reviewed this WSLP.

Please take a look at the sample learning activities below. Use them as a model to describe what your child will be doing at home. Adjust and modify them to match what you are doing at home. Just do your best, your consultant will give you more assistance at your meeting, if necessary.

Learning Activities:

- (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

Progress Criteria/ Methods of Evaluation:

[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.