

Grade Level:	3rd
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 able to determine the effects of balanced and unbalanced forces on the motion of an object and the cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other. <p>Life Science</p> <ul style="list-style-type: none"> Students are expected to develop an understanding of types of organisms that lived long ago and also about the nature of their environments. Students are expected to develop an understanding of the idea that when the environment changes some organisms survive and reproduce, some move to new locations, some move into the transformed environment, and some die. <p>Earth and Space</p> <ul style="list-style-type: none"> Students are able to organize and use data to describe typical weather conditions expected during a particular season. <p>This class will work toward one or more EALRs. 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"> Observe and describe using senses Compare and Contrast important points and key details-CCS Ask questions about key details in text-CCS Use information from illustrations or text to demonstrate understanding of key details in a text-CCS Recall information-CCS Sort and Classify Explore Cause and Effect Examine ideas with in topic of study Find examples in nature Summarize topics Identify main idea-CCS Describe connections between scientific ideas or concepts Recognize ideas and vocabulary with in topic of study Measure and order by weight, capacity, height, length, and temperature Investigate questions with in topic of study Record and graph data Label and explain diagrams Define terms related to study

19. Conduct short research and writing projects and with adult support and use digital tools to produce and publish project and/or writing-CCS
20. Use drawing, dictating, and/or writing to explain about a topic-CCS

Physical Science—Forces and Interactions

1. Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.
2. Make observations and/or measurements of an object's motion to provide evidence that that a pattern can be used to predict future motion.
3. Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.
4. Define a simple design problem that can be solved by applying scientific ideas about magnets.

Life Science—Interdependent Relationships in Ecosystems

1. Construct an argument that some animals form groups that help members survive.
2. Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago.
3. Construct an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all.
4. Make a claim about the merit of a solution to a problem caused when the environment changes and the types of plants and animals that live there may change.

Life Science—Inheritance and Variations of Traits: Life Cycles and Traits

1. Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death.
2. Analyze and interpret data to provide evidence that plants and animals have traits inherited from parents and that variation of these traits exists in a group of similar organisms.
3. Use evidence to support the explanation that traits can be influenced by the environment.
4. Use evidence to construct an explanation for how the variations in characteristics among individuals of the same species may provide advantages in surviving, finding mates, and reproducing.

Earth and Space Science—Weather and Climate

1. Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.
2. Obtain and combine information to describe climates in different regions of the world.
3. Make a claim about the merit of a design solution that reduces the impacts of a weather-related hazard.

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

**Learning
Activities:**

(Student Name) Read for 30 minutes for information on a topic each week

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.

(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.