

# Homeschool

# SCIENCE SERIES



## FALL SEMESTER THEMES

August 31: What is Science?

September 7: Data Time

September 14: Ecosystems & Habitats

September 21: Food Webs

September 28: Streams & Oceans

October 12: Forests & Meadows

October 19: Pleasant Plants

October 26: Minibeasts

November 2: The Buzz About Bees

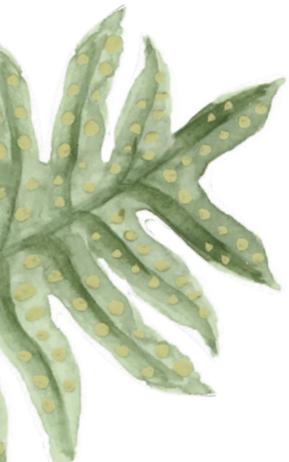
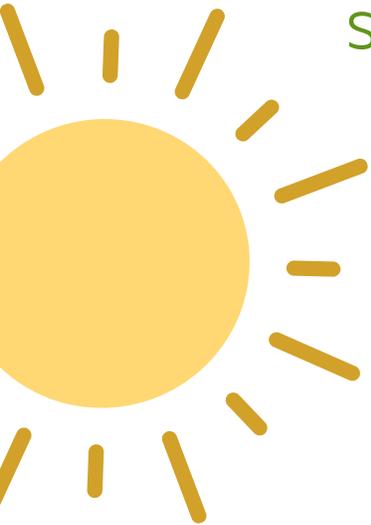
November 9: Animal Communication

November 16: Hawaiian Flora & Fauna

November 23: Weather & Climate

November 30: Natural Resources

December 7: Our Changing World



On October 5 there will be no program due to Nature Adventure Camp.



**August 31: What is Science?** -Join us as we kickstart our Homeschool Semester by learning all about science, scientists, and the scientific method.

**September 7: Data Time** - Working as a team of field scientists, we'll venture out into Makiki forest to make hypotheses, collect data, and create graphs and posters on our findings.

**September 14: Ecosystems & Habitats** - This week we'll explore the difference between an ecosystem and a habitat as we learn about the different places living and non-living things call home.

**September 21: Food Webs** - As we explore the concept of 'ecosystems' further, we'll take a closer look at how food webs sustain life and what happens when they are disrupted.

**September 28: Streams & Oceans** - We take a deep dive this week into the Hawaiian stream ecosystem, learning about the various types of plants and animals that live in this unique freshwater habitat. Later, we discuss and learn about our coral reefs and marine ecosystems.

**October 5: No class** - Due to Fall Nature Adventure Camp there will be no class.

**October 12: Forests & Meadows** - Hiking shoes on for this week as we explore Makiki Valley's wooded and grassy areas, comparing and contrasting these different habitats.

**October 19: Pleasant Plants** - This week is all about learning and celebrating the diversity of plant life. We'll learn how plants make their food, about the different parts of a flower, how pollination works, and why plants are so important.

**October 26: Minibeasts** - We take a day to appreciate the tiny, sometimes unseen, creatures that help ecosystems function. From insects to tiny stream invertebrates, we'll use our magnifying glasses and microscopes to take a closer look at this microscopic world.

**November 2: The Buzz About Bees** - We dedicate a week to studying one of the most important insects in the world: the hard-working bee. We will learn about their behaviors, life cycles, and why they are so critical to the health of the planet.

**November 9: Animal Communication** - We explore the fascinating world of animal communication: from sound, to color, to behavior, as we learn about how and why animals communicate.

**November 16: Hawaiian Flora & Fauna** - This week we learn about the unique and often endangered animals and plants that make up our Hawaiian wildlife. We'll explore how they arrived on the island, Hawaiian mythology about them, the threats they face, and what we can do to help them survive.

**November 23: Weather & Climate** - This week, we will learn about the difference between weather and climate, practice collecting weather data, and investigate some of the more interesting weather phenomena.

**November 30: Natural Resources** - We spend a week learning about the various natural resources our planet has to offer, how we currently use them, and ways to be more sustainable in their harvesting, processing, and use.

**December 7: Our Changing World** - We finish up our homeschool series with a lesson on some of the big changes our planet is going through, why they're important, and how we can make a difference in our everyday lives.

