

Ecosystems Everywhere (K)

Hello! This document includes a brief outline of our Ecosystems Everywhere workshop, as well as relevant BC curriculum connections. In this workshop, students will learn about the fundamentals of living things and how they interact in ecosystems. They will then explore the basics of plant life by building their very own biodome!

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| <p>BC Curriculum Ties (In addition to satisfying multiple core competencies)</p> | <p><u>BC Science Curriculum Links K:</u></p> <p>Content</p> <ul style="list-style-type: none"> ● <i>Basic needs of plants and animals</i> <ul style="list-style-type: none"> ○ <i>Include habitat – food, water, shelter, and space</i> ● <i>Adaptations of local plants and animals</i> <ul style="list-style-type: none"> ○ <i>May include structural features or behaviors that allow organisms to survive</i> ● <i>Living things make changes to accommodate daily and seasonal cycles</i> <ul style="list-style-type: none"> ○ <i>living things may make physical and behavioral changes to survive in different conditions (e.g., migration, hibernation, etc.)</i> <p>Questioning and Predicting & Processing and Analyzing data and Information</p> <ul style="list-style-type: none"> ● <i>Demonstrate curiosity and a sense of wonder about the world</i> ● <i>Observe objects and events in familiar contexts</i> ● <i>Experience and interpret the local environment</i> |
| <p>Grade Levels</p> | <p>K</p> |
| <p>Time</p> | <p>1~1.5 Hours</p> |

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| Goals of the Workshop | <ol style="list-style-type: none"> 1. Be able to identify the differences between living and non-living things 2. Understand how plants, animals, and the environment are linked through the food chain 3. Understand the basic needs of plants |
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Activity Descriptions

Living vs Non-living

Objective: To explain to students the difference between living and non-living things

Participants will:

- Learn the characteristics of living things such as the ability to adapt and grow
- Play a fun, active game where the students will have to choose if something is living or non-living

Ecosystem Collage

Objective: To show students how all the plants and animals in an environment interact

Participants will:

- Learn about ecosystems and try to name plants and animals that exist in a given ecosystem
- Draw the plants and animals they named
- Combine all of their drawing in a classroom collage

Plant Biodome

Objective: To show students what plants need to survive

Participants will:

- Learn how soil, water, sunlight, and air are needed for plants to grow
- Use their green thumb to create their own plant biodome that will grow!

We can't wait to connect with your school & expose your students to the STEM field with our exciting, hands-on STEM activities!

