

## Exploring Nature: Outdoor Learning Program Predicted Learning Experiences Summer 2024

**\*Note: Experiences are not listed in temporal order; rather, will emerge organically throughout the summer in response to the encounters we have within the Arboretum\***

Curriculum Focus	“Big Idea” Takeaways from Learning Experiences and Encounters
<b>Understanding Earth and Space Systems – Air and Water in the Environment</b>	<ul style="list-style-type: none"> <li>• Air and water are major parts of our environment.</li> <li>• Living beings need air and water to survive.</li> <li>• Our actions affect the quality of air and water, and its ability to sustain life.</li> </ul>
<b>Understanding Life Systems – Habitats and Communities</b>	<ul style="list-style-type: none"> <li>• Plants and animals are interdependent and adapt to meet their needs from the resources available in their habitats.</li> <li>• Changes to habitats can affect plants and animals and the relationship between them.</li> <li>• The well-being of plants and animals are interconnected and interdependent.</li> </ul>
<b>Understanding Life Systems – Growth and Changes in Plants</b>	<ul style="list-style-type: none"> <li>• Plants have distinct characteristics.</li> <li>• There are similarities and differences among various types of plants.</li> <li>• Plants are a primary source of food for humans and are important for the planet.</li> <li>• We need to protect plants and their habitats.</li> </ul>
<b>Understanding Earth and Space Systems – Soils in the Environment</b>	<ul style="list-style-type: none"> <li>• Soil is made up of many living beings and non-living matter.</li> <li>• There are different types of soils that are important for different purposes.</li> <li>• We can have both a negative and positive impact on the soils within the environment.</li> </ul>

<p><b>Understanding Structures &amp; Mechanisms</b> – Strong and Stable Structures</p>	<ul style="list-style-type: none"> <li>• Structures have both form and function.</li> <li>• Different forces can act on structures and have an impact on them.</li> <li>• Structures need to be strong and stable to be useful.</li> </ul>
<p><b>Understanding Matter and Energy</b> – Properties of Liquids and Solids</p>	<ul style="list-style-type: none"> <li>• Materials that exist as liquids and solids have specific properties.</li> <li>• Liquids and solids interact in different ways.</li> <li>• Some liquids and solids can be harmful to us and the environment.</li> </ul>
<p><b>Understanding Matter &amp; Energy</b> – Light and Sound</p>	<ul style="list-style-type: none"> <li>• Light and sound are forms of energy with specific properties.</li> <li>• Light is required to see.</li> <li>• Technology innovations involving light and sound have an impact on the environment.</li> </ul>
<p><b>Understanding Life Systems</b> – Growth and Changes in Animals</p>	<ul style="list-style-type: none"> <li>• An adaption is a characteristic body part, shape or behaviour that helps an animal survive in their environment.</li> <li>• There are differences and similarities among different kinds of animals.</li> <li>• It is important for us to protect animals and the places where they live.</li> </ul>