



Ecology Discovery Trip

How we care for the earth today will have a big impact on the world tomorrow. Our field trip on ecology will teach your students about the natural world around them and the living things in relation to the biosphere they inhabit. It is about preservation and conservation of our planet. All living things are linked in what we call our habitat. Children will learn how they can pitch in to save the earth. We will explore the 3 R's —Recycle, Reuse, and Reduce and participate in a recycling-trash sorting race. The children will create their own edible compost pile in the Interactive Kitchen. In addition, your students will learn how to preserve and protect our natural resources- like the local dunes and Lake Michigan.

Indiana state standards on page 2

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Ecology Program Indiana Standards

At Bellaboo's Play and Discovery Center we are excited to offer you educational programs that help you meet the Indiana State Standards for your class. Use this sheet as a check off list to the standards being covered during our program.

PreK-Kindergarten

Science

F.2.3 - Classify different objects by different attributes (characteristics)

F.3.8 — Describe how the physical environment affects the living environment and vice versa

K.6.1 — Describe an object by saying how it is similar to or different from another object

K.1.1 - Raise questions about the natural world

Social Studies

F.3.35 — Discuss the need for a clean environment

K.3.7 - Recommend ways that people can improve their environment at home, in school and in the neighborhood.

1st-2nd Grade

Science

1.3.1 Recognize and explain that water can be a liquid or a solid and can go back and forth from one form to the other. Investigate by observing that if water is turned into ice and then the ice is allowed to melt, the amount of water is the same as it was before freezing.

2.1.1 —Manipulate an object to gain additional information about it.

2.1.5 Demonstrate the ability to work with a team but still reach and communicate one's own conclusions about findings.

2.1.7—Recognize and describe ways that some materials, such as recycled paper, cans, and plastic jugs, can be used over again.

2.3.5 Investigate that things can be done to materials, such as freezing, mixing, cutting, hearing, or wetting, to change some of their properties. Observe that not all materials respond in the same way.

2.4.5—Recognize and explain that materials in nature, such as grass, twigs, sticks, and leaves, can be recycled and used again, sometimes in different forms, such as in birds' nests.

Social Studies

1.2.4 Describe ways that individual actions can contribute to the common good of the community.

1.3.4 Identify and describe physical features of the local community.

1.3.9 —Give examples of natural resources found locally and describe how people in the school and community use these resources.

2.1.3 Identify individuals, like Frank V. Dudley, who had a positive impact on the local community.

2.3.3-Compare neighborhoods in your community and explain how Lake Michigan and other physical features of the community affect people living here.

2.3.7 Identify ways that recreational opportunities influence human activity in the community.

3rd Grade-

Science

3.1.6 —Give examples of how tools, such as automobiles, computers, and electric motors, have affected the way we live and our environment.

3.1.8.-Describe how discarded products contribute to the problem of waste disposal and that recycling can help solve this problem.

Social Studies

3.1.4 —Give examples of people, events and developments that brought important changes to the regions of Indiana, such as the making of the Indiana Dunes State Park.

3.3.4 —Explain that regions are areas that have similar physical and cultural characteristics. Identify Indiana and the local community as part of a specific region— Great Lakes Region and Northwest Indiana.

3.3.5 —Observe and describe the physical characteristics of Indiana using words and illustrations and compare them to the characteristics of neighboring states.

3.4.2 —Give examples of goods and services provided by local business and industry.