

					
a bird	a mammal	a biome			
					
the soil	a globe	a plant			
					
a fish	an amphibian	a reptile			
					<p>A biome is a community of plants and animals that live in a large area that has a particular climate. The plants and animals that live in a biome help to make it a biome.</p>
					a biome

Introduction to the Biomes with Curriculum - Primary Guide to Presentation

Introduction to the Biomes with Curriculum - Primary

(suitable for children 3 to 6 years of age)

Contents of Introduction to the Biomes with Curriculum - Primary:

- *The Waseca Biomes Curriculum Guide*
- *Introduction to Biomes - Parts of a Biome* three-part cards
- *Introduction to Biomes - The Biomes* three-part cards
- *Living or Nonliving Labels**
- *Herbivore, Carnivore, or Omnivore Labels**
- *Biome Picture Sort Labels**

Introduction

Sharon Duncan, the founder behind our materials, began producing curriculum and materials for her classroom over 20 years ago. The aim of these lessons and materials was to weave together isolated subject matter - Geography, Earth Science, Math, Language, Cultural Studies - to present a comprehensive ecological view of the world around us, to encourage creative and critical thinking about our interdependent environment, and to foster engagement in the learning process.

The Waseca Biomes Curriculum Guide serves as the consolidation of the lessons and presentations we have designed with this goal in mind. It outlines a framework for the incorporation and integration of our materials with traditional Montessori lessons as you progress from exploring the creation of the universe through to more detailed studies of the biomes here on Earth, including your home biome. Keeping Montessoria frameworks and a Systems Thinking approach in mind, each section of *The Waseca Biomes Curriculum Guide* explores a part of the whole to foster holistic understanding.

The Introduction to the Biomes with Curriculum - Primary is a foundational curriculum to work your way through these lessons. *The Waseca Biomes Curriculum Guide* contains the detailed lessons and presentations. The following pages review how to use the nomenclature cards (three-part cards) and the progression of lesson presentations with the associated cards and blacklines from the The Introduction to the Biomes with Curriculum - Primary. *Please note that we do not include hard copies of the blacklines. They are available to download from our website (wasecabiomes.org) in the A - Z PDF Library.*

** If you purchased your Introduction to the Biomes with Curriculum - Primary prior to May 2018, hard copies of these were not included. There are label blacklines available for download in our A - Z PDF Library on our website: wasecabiomes.org*

Nomenclature Cards

Nomenclature Cards (three-part cards) are used to teach children the names of things. We name the different parts of something in order to make distinctions about their function. It is these distinctions, not the memorization of names, that are important. If you supply the name and ask the child to show you the card illustrating that name, you can structure the lesson for success. Always point out how the part relates to the whole in order to reinforce the ecological concept that nothing exists in isolation.

Each nomenclature card set includes pictures, labels, and definitions. The Primary version for children ages 3 to 6 has two picture cards for matching with a definition on the back of the second picture card. They are coded on the back to be sorted into sets and to provide a control of error. You can use the masters to make your own set of cards. If you do so, part of the process would be to do the research with your student(s) to write the definitions.



Presentation of Nomenclature Cards

Introduce each picture card to a small group beginning with the whole. In this example, the whole is “ a biome.” Discuss each part and its function as you lay out each picture card. Place the label cards out and ask the children to find and place the matching label for each part under the picture. Read, or have the children read, the descriptions and match them to the pictures. Ask the children to point to each picture as you name the parts of the biome.

Make additional copies of the blackline drawing. Invite the children to color in each part separately and label it as shown on the cards. Once completed, have the child lay out their pages and hand them to you as you ask for each part. Once in order, staple them to make a book of each child’s pages. Depending on ability, have the child label and write a definition in his/her own words for each picture using the blank pages on the back of the pictures. After the lesson, the set of cards may be placed on a shelf or at a center for students to match the picture, label, and description independently.

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associated cards and blacklines

Parts of a Biome - Parts of the Globe three-part cards

Living or Non-Living Labels

What is a biome? blackline

Parts of a Biome three-part cards

North and South America hemisphere template blackline

Soil blackline

Parts of a Biome - Parts of the Soil three-part cards

Soil blackline

Parts of a Biome - Layers of the Soil three-part cards

Flowering/Non-Flowering blacklines 1 and 2

Living or Non-Living Labels

Parts of a Plant blackline

Parts of a Biome - Parts of a Plant three-part cards

Vertebrate or Invertebrate blacklines 1 and 2

Living or Non-Living Labels

5 Classes of Vertebrates blacklines 1 and 2

Living or Non-Living Labels

Parts of a Fish blackline

Parts of a Biome - Parts of a Fish three-part cards

Parts of an Amphibian blackline

Parts of a Biome - Parts of an Amphibian three-part cards

Parts of a Reptile blackline

Parts of a Biome - Parts of a Reptile three-part cards

Parts of a Bird blackline

Parts of a Biome - Parts of a Bird three-part cards

Parts of a Mammal blackline

Parts of a Biome - Parts of a Mammal three-part cards

Parts of an Invertebrate blackline*

Parts of a Biome - Parts of an Invertebrate three-part cards*

Herbivore, Carnivore, or Omnivore blacklines 1 and 2

Herbivore, Carnivore, or Omnivore Labels

Biome Picture Sort Labels

The Biomes blacklines 1 and 2

Introduction to Biomes - The Biomes three-part cards

* The Parts of an Invertebrate three-part cards and blackline can be used as an extension of the Parts of the Vertebrates (Chordates) lesson as a point of comparison with vertebrates. We have selected an insect as our example of an invertebrate. For a more in-depth exploration of the wide variety of physiological traits of invertebrates, we recommend working with our Tree of Life.