

# Fostering Food

**Length of Class:** 3 ½ hours

## **Next Generation Science Standards:**

- *3-LS1-1. Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death.*
- *3-LS2-1. Construct an argument that some animals form groups that help members survive.*
- *4-PS3-4. Apply scientific ideas to design, test, and refine a device that converts energy from one form to another*
- *4-LS1-1. Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.*
- *5-PS1-4. Conduct an investigation to determine whether the mixing of two or more substances results in new substances.*
- *5-LS2-1. Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment.*

## **Goals:**

- Students will understand the nutrient cycle
- Students will understand transfer of energy
- Students will understand the process of decomposition
- Students will understand the benefits of agriculture
- Students will understand the importance of maintaining a sustainable food system

## **Objectives:** *By the end of class, students will be able to...*

- Identify the different types of compost
- Identify various crops in a garden
- Identify the uses of different farm animals
- Identify the different behaviors of farm animals

## **Program Schedule:**

9:30-9:45 Arrival/Divided into smaller groups  
9:45-10:00 Introduction  
10:00-10:40 Goat Milking<sup>1</sup>  
10:40-11:25 Rotation 1 (Coops, Compost, or Garden<sup>2</sup>)  
11:25-12:10 Rotation 2 (Coops, Compost, or Garden)  
12:10-12:30 Lunch at Yurt  
12:30-1:15 Rotation 3 (Coops, Compost, or Garden)  
1:15-1:30 Closing  
1:30 Departure

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<sup>1</sup> Goat milking must begin at 10:00am due to their milking schedule. We understand that some groups are not able to arrive until later. Groups that arrive late will have a shortened introduction and/or milking activity.

<sup>2</sup> Our activity in the garden is dependent on seasonality of crops, resources available, and preferred instruction of our teachers. If you are a returning group, you may have an activity that is different from your previous visit.