

# Lesson Plan

## Food Chain Matroshakhas

**Class Duration:** 45 minutes

**Tour Duration:** 1 hour

**Goals:** Teach students how the food chain works by constructing matroshakhas representing the various trophic levels.

**Supplies:**

- Matroshakhas boxes (4 total each student)
- Crayons
- Glue Sticks

**Education:**

- \_\_\_\_\_ Teachers guide students to discover that all plants & animals (including humans) need energy to survive.
- \_\_\_\_\_ Determine that we all get that energy from the sun
- \_\_\_\_\_ Discuss different trophic levels and how energy is lost between each level
- \_\_\_\_\_ Pass out matroshakhas papers and allow kids to color the pictures as they wish
- \_\_\_\_\_ Tell the kids to fold the cards along the dotted lines and glue the tabs
- \_\_\_\_\_ Represent a number of objects with a written numeral 0-20
- \_\_\_\_\_ Explain how the matroshakhas work and how they are a model to represent the trophic levels

**SCIENCE STANDARDS:**

3.1a

4.2a, 4.2b, 4.2c

6.4a, 6.5a, 6.5b, 6.5c, 6.5d

Common Core: K.CC

**NGSS Standards:**

K-LS1-1

K-ESS3-1

SL.K.5

K.W.2.1

K.MD.A.2  
5-PS3-1