

Objective 1 – Lesson 2

ENVIRONMENTAL HISTORY OF THE CUYAHOGA RIVER Part 2

(prerequisite: Objective 1- Lesson 1 “ENVIRONMENTAL HISTORY OF THE CUYAHOGA RIVER Part 1”)

BY: R. Berry, S. Mooney, and J. Powe

GRADE LEVEL: Middle Grades

GOALS: This investigation uses the previous lesson (Part 1) to apply concepts regarding the food web to the species of the Cuyahoga River.

LEARNING OBJECTIVE:

1. Students will utilize several links to outside websites to locate information about the various forms of life in and around the Cuyahoga River.
2. Students will create “Species Cards” to create a personal field guide to species of the Cuyahoga River.

STATE OF OHIO STANDARDS:

Life Science

BENCHMARK

Describe the characteristics of an organism in terms of a combination of inherited traits and recognize reproduction as a characteristic of living organisms essential to the continuation of the species.

PERFORMANCE INDICATORS:

-Investigate the great diversity among organisms.

MATERIALS/RESOURCES

- Return of the Cuyahoga Website
- Species Cards Template
- Copy paper
- Overhead and transparencies
- [A Guide to Ohio Streams \(http://www.dnr.state.oh.us/streams/default.htm\)](http://www.dnr.state.oh.us/streams/default.htm)

PROCEDURE:

1. Students create a field guide of species from the Cuyahoga River.

Use the websites listed to find pictures and descriptions of the species from the Cuyahoga River.

2. Students can draw their own pictures or find pictures from the websites to attach to their cards. Note: Be sure to locate all of the information for each card.

3. Identify the tolerance for pollution (low, medium, high) for each species on the back of each card.

4. Use species cards to create a food web poster.

STUDENT PRODUCTS:

Completed species cards