

Toward a Plastic-Responsible Future

Duration: four weeks (19 instructional hours)

Driving Question: What can we do to reduce the effects of plastic pollution?

Lesson 1:

The Plastic Problem

What is the problem with plastic?

Activity 1:

Introducing the Plasting Problem
(75 mins)

Activity 2:

Our Plastic History
(75 mins)

Activity 3:

Plastic in the Ganges River
(50 mins)

Activity 4:

Geographies of Inequality
(100 mins)

Activity 5:

In the Water, Air, and Soil
(100 mins)

Lesson 2:

Solutions to Plastic Waste

How do we measure and remove plastic from the waste stream?

Activity 1:

How to Research Plastic Pollution
(100 mins)

Activity 2:

Entering the Field
Animals
(100 mins)

Activity 3:

Representing the Data
(75 mins)

Activity 4:

The Three R's Framework
(150 mins)

Lesson 3:

Making Change Happen

How can we implement our solutions?

Activity 1:

Implementing Solutions
(50 mins)

Activity 2:

The Who and What of Policy Change
(50 mins)

Activity 3:

Plastic Policy Proposals in Action
(150 mins)

Project-Based Learning Unit Product

Students create a plastic policy proposal brochure for plastic waste reduction in their community.