

From Pollution to Solutions

Duration: Four weeks (20 instructional hours)

How can humans solve our plastic problem in the ocean?

Lesson 1:

Plastics, Plastics, Everywhere

How do plastics get into and move around the ocean?

Activity 1:

Autopsy of an Albatross
(50 mins)

Activity 2:

Plastics Aplenty
(125 mins)

Activity 3:

Follow the Friendly Floatees
(75 mins)

Activity 4:

The Life Cycle of Plastics
(100 mins)

Activity 5:

Magazine Design Workshop I

Lesson 2:

Plastics in the Plankton, Plastics on your Plate

How do plastics affect ocean organisms and ecosystems??

Activity 1:

Under the Seas
(100 mins)

Activity 2:

Biomagnification and Bioaccumulation
(100 mins)

Activity 3:

Magazine Design Workshop II
(50 mins)

Lesson 3:

Pollution Solutions

Which solutions to the plastic problem are the most promising?

Activity 1:

Seaworthy Solutions
(100 mins)

Activity 2:

The Ocean Plastics Pollution Solutions Contest
(125 mins)

Activity 3:

Choosing an Audience
(50 mins)

Lesson 4:

Knowledge + Action = Power

How can your publishing team maximize positive impact on your community and the environment?

Activity 1:

Turning Knowledge into Power
(50 mins)

Activity 2:

Magazine Design Workshop III
(150 mins)

Activity 3:

Publication Presentations and Reflections
(75 mins)

Final Product

In this unit, publishing teams will create and publish their own *National Geographic*-style magazine to raise awareness about ocean plastics and inspire readers to take action to address the crisis.