ES7 Grade 7: Environmental Sustainability - Fisheries

Content Area: **Generic Content Area**
Course(s): **Generic Course**
Time Period: **Generic Time Period**
Length: **45 days**
Status: **Published**

Established Goals/Standards

SCI.MS-ESS3-4	Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.
SCI.MS-ESS3-3	Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.
SCI.MS-LS2-4	Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.

Essential Questions

- As the world's population increases, how can we feed everyone without destroying the fish populations?
- What impact have people had on the ocean's fish population since World War 2?
- What is the best method of preserving healthy fish populations?

Enduring Understanding

- Environmental sustainability affects many different groups of people.
- Environmental sustainability also includes the ocean ecosystems.

Content

90% of the ocean's large fish have been taken from the ocean to feed people.

The fish population has been significantly impacted.

Without intervention and protection, several fish populations will become extinct.

The world's population is increasing exponentially.

A real-world problem is how to feed the number of people on Earth without negatively impacting the environment.

Resources

Only one Ocean ~ Rutgers online interactive.

What's the Catch? Lawrence Hall of Science role play actiivty