Serve & Protect: A New Way to SEEfood

Lesson: Learn the affects of commercial fishing on the ocean, and the advantages and shortcomings of aquaculture. Discuss what actions people can take to help protect oceans while enjoying our natural resources.

Objective: Students will be able to determine the sustainability of a seafood item based on its biology as well as on newly acquired information on impacts of commercial fisheries and farming.

Conservation message: Choices we make hundreds of miles from the oceans can have an impact on fish populations. We have the responsibility to make wise seafood choices to ensure the health of our ocean and the availability of healthy seafood for future generations.

Tennessee students will apply the following **Course Level Expectations**:

- Students will predict how population changes of organisms at different trophic levels affect an ecosystem.
- Students will predict how various types of human activities affect the environment.
- Students will learn how consumer choices in Tennessee impact jobs, resources, pollution and waste here and around the world.

Georgia students will apply the following **Science Performance Standards**:

- Students will assess the impact of human activities on the natural world
- Students will recognize that human beings are part of the global ecosystem and will evaluate the effects of human activities and technology on ecosystems.
- Students will identify how humans use the oceans for food, commerce, and energy and will evaluate the potential for abuse in the absence of responsible stewardship.

Alabama students will apply the following **Science Course of Study Content Standards**:

- Students will determine effects of the fishing industry on the aquatic environment.
- Students will identify the influence of human population, technology, and cultural and industrial changes on the environment.
- Students will describe positive and negative effects of human influence on marine environments.