

Lesson 13: Marine Foods and Resources

Subject

Marine Foods

Objectives

The students will:

- Learn about the variety of foods that the Salish Sea provides.
- Taste dried seaweed.

Materials

- Marine food packaging
- seaweed samples

Size/setting/duration

One third of class/Birch Bay State Park BP Heron Center/15 minutes

Background

Connecting students to the resources that the Salish Sea provides helps give more context to why this ecosystem is so important. A variety of nutritious foods are grown in the intertidal zone and eaten by people around the world. Thus, foods found in the intertidal zone are important for our economy. In this activity, students will have opportunities to sample dried seaweed, observe a variety of products from the intertidal zone, and build (draw) a meal with food including ingredients from the intertidal zone/ Salish Sea.

Procedure

- The oceans are filled with many different delicious foods! Show students examples of foods and ask students if they like them. Ask students if they like ice cream. Ice cream has carrageenan which is derived from red algae to make it thicker. Give students the option to taste dried seaweed.
- The Salish Sea is also very important to our economy. Shellfish aquaculture contributed [\\$184 million](https://www.gardensalishsea.org/2019/01/24/shellfish-aquaculture-contributes-to-washingtons-economy/) to Washington's economy and 2,710 jobs in 2010.
- There are many other uses for shellfish. Shells can be used in paving, jewelry and decoration, as a soil amendment, and as a supplement for chickens.

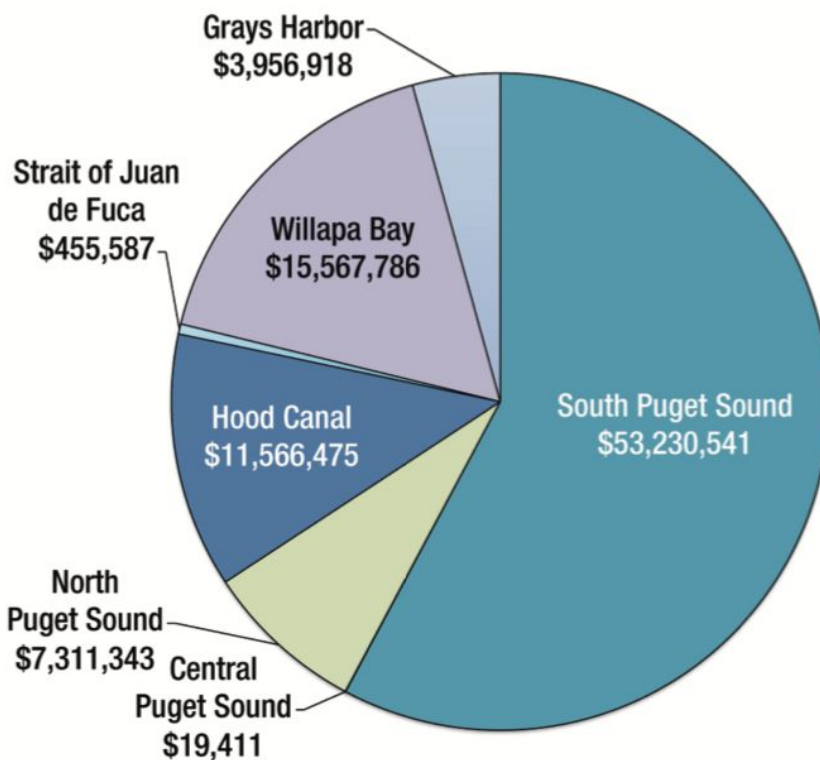


Next Generation Science Standards

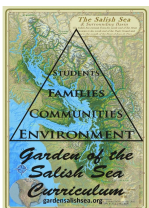
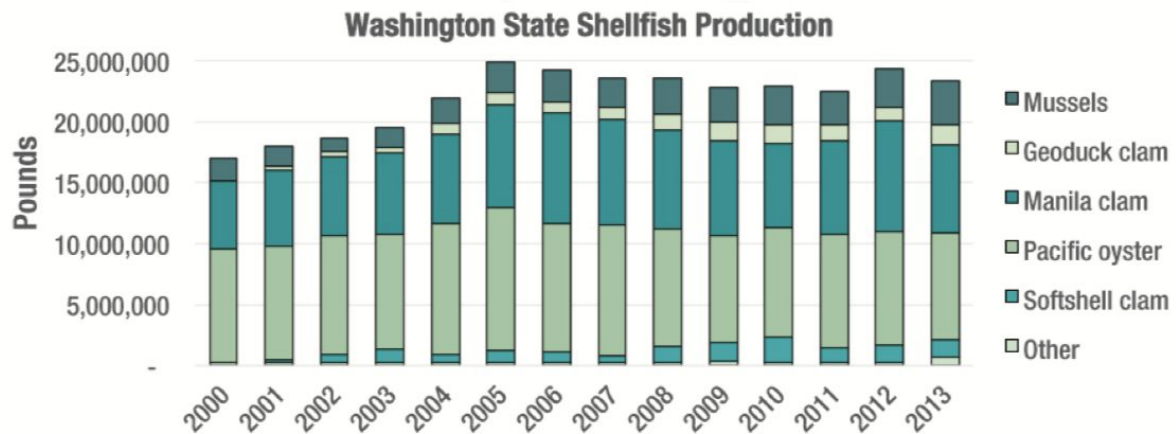
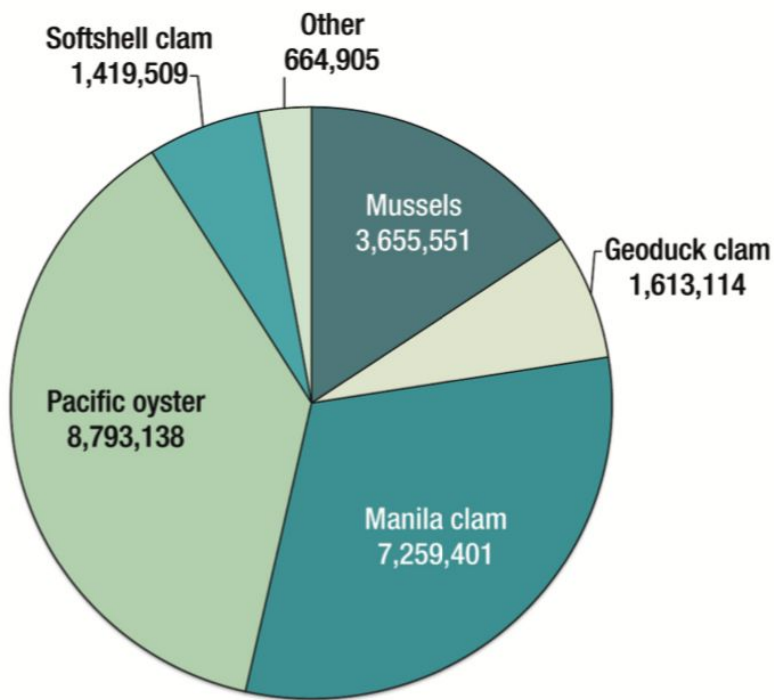
Performance Expectations		
5-LS2-1: Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment		
Scientific and Engineering Practices	Disciplinary Core Ideas	Cross-cutting Concepts
Developing and using models Science models, laws, mechanisms, and theories explain natural phenomena	LS2.A: Interdependent relationships in ecosystems LS2.B: Cycles of Matter and Energy Transfer in Ecosystems	Systems and System Models

Graphics

Value of Washington State Shellfish Aquaculture by Region, 2013



Washington State Shellfish Aquaculture Production by Species and Weight (lbs), 2013



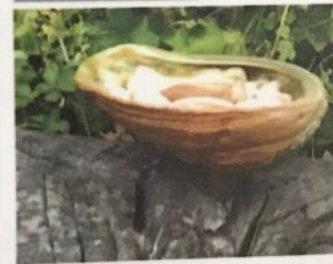
Shellfish Utility



Oyster Shell paving



Jewelry,
bowls,
wind chimes,
chandeliers,
Other
accessories



Soil
Amendments,
Chicken
supplements



Worksheet



Marine Food and Resources

Your Ocean Menu:



Oysters



Fish



Crab



Ice Cream



Sushi



Sea Vegetables



Caviar

Can you draw and label a meal with at least three shellfish or sea vegetable foods chosen from the menu above?

