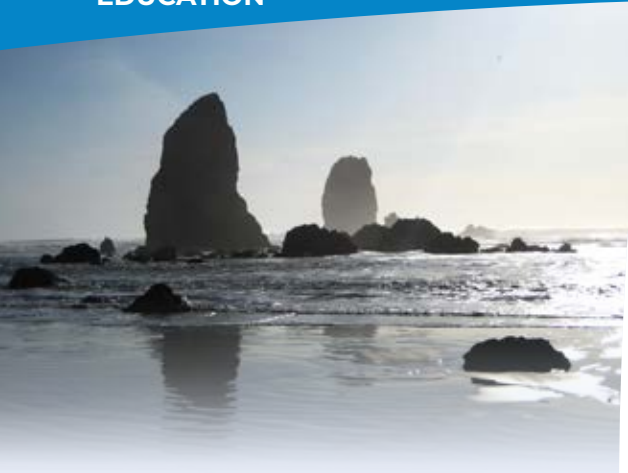

Hey! What's All That Commotion In Our Ocean?

An Ocean Acidification Education Toolkit

Module IV
Senseless Salmon!

This game will help players understand the impacts ocean acidification has on marine life, specifically salmon. Ocean acidification dulls salmon's ability to smell. Salmon use their sense of smell to migrate and detect predators. In this game players will be blindfolded or unable to use their sense of sight.

Players will be split into teams of 4-6, with all but one player being blindfolded. The player that is not blindfolded must act as the spotter and direct players to get in order from tallest to shortest. The spotter will be able to use only their voice to direct the blindfolded players, without touching others. The team that can arrange themselves from shortest to tallest and the fastest wins. After the game is complete students will discuss the challenge of not being able to use one of their senses and related back to how ocean acidification can impact salmon's ability to smell.

Activity Length: 10-15 Minutes

Materials

☐ Blindfolds

Figure 1: Module 4 Materials

Learning Objectives

Ocean acidification can affect animal physiology, specifically it has been found to dull a salmon's sense of smell.

Value: Protection

It's important that we protect people and places from harm. We can do this by solving the issues facing our environment. This means stepping in to ensure people's safety and well-being to the best of our ability and safeguarding the places we depend on. We also need to take measures to eliminate or reduce risks, making sure that people are able to go about their lives freely. Concern for the welfare of others and vigilance in preserving our habitats are the hallmarks of a protective approach. Simply put, we have a duty to protect our surroundings. Protection is the right thing for us to do.

Instructions

Introduction:

Did you know salmon have a better sense of smell than a dog? Salmon travel very long distances using their sense of smell for direction. They are very unique because they will live in saltwater and freshwater. They also use smell to sense danger and their 'home' river. Scientists are discovering that ocean acidification can cause salmon to have a dulled sense of smell. Smell is very important to salmon and their survival. We are going to do an activity that shows just how important senses are. Can you name all of our senses?

Sight, Taste, Touch, Hearing, and Smell – all of these are very important to us. If you were to lose one of your senses it would make it harder to do certain things. To see what it is like for a salmon to lose their sense of smell, we are going to see what it is like to lose one of our senses and do something that would normally be easy.

Instructions

- Pass out a blindfold to each player
- Divide groups of 4 -6 players
- 1 player will not be blindfolded and will serve as the spotter for the group and give directions by using only their voice (guiding without touch).
- The spotter will have the blindfolded players arrange themselves from shortest to tallest
- The team that does this the fastest is the winner!

Supporting Questions:

- Have players explain the challenges they faced during the game.
- What did the blindfolds or not being able to use touch to direct the blindfolded players help you realize about how important a sense of smell is to salmon?
- If salmon had a dulled sense of smell because of ocean acidification how could this affect humans?

Solutions

- How can we protect marine life, such as salmon and ecosystems, like the rivers and ocean they live in?

(See Pledge or Script for Examples)