

Survive the Sound (SurvivetheSound.org) is a game that transforms real life fish tracking data into a fun, interactive, and educational tool for your classroom! By watching the migration, your students will learn more about steelhead and raise awareness to help with their recovery. This educational toolkit, designed to accompany the game or stand alone, is compatible with 3rd-5th grade science and social studies, especially the science units of Inheritance and Traits, Energy Conversations, Environments and Survival, Earth's Features, and Ecosystem Restoration¹, and Washington State Tribal Sovereignty Curriculum, Since Time Immemorial (STI) for K-12¹.

Lesson	Objective	Teaching tools	NGSS and Social Studies alignment
The Salmon Lifecycle	Students will learn that salmon live in various habitats during different stages of their life cycles and understand that the life cycle of a steelhead is unlike other salmonids.	Pear deck, video	3-LS1 From molecules to Organisms: Structures and Processes
Steelhead Anatomy	Students will be able to correctly label the features of a Steelhead and understand the function of each of those features.	PowerPoint, Seesaw, video	4-LS1 Structures and Processes
Puget Sound Food Web	Students will learn about various organisms that live in Puget Sound. They will assemble a food web, and then use their models to explore interactions salmon and steelhead have in the ecosystem.	Seesaw	3-LS4-4 Biological Evolution: Unity and Diversity; 5-PS3-1 Energy; 5-LS2-1 Ecosystems, Interactions, Energy, and Dynamics
Salmon of the PNW	Students will learn the names of 6 different species of salmonids, and understand the definition of a "species".	PowerPoint, video	3-LS1 From Molecules to Organisms: Structures and Processes, STI pathway 2- Honoring the Salmon
What's a Watershed?	Students will be able to define what a watershed is, identify causes and effects of human impact on watersheds, and understand how watershed pollution could make it difficult for salmon survival.	Seesaw, Pear deck, videos	STI One with the Watershed 5-ESS2-1 Earth's Systems
Steelhead Survival Game	Students will understand some of the threats that steelhead smolts face as they migrate through the Salish Sea.	PowerPoint	3-LS4 Biological Evolution: Unity and Diversity

¹ <https://amplify.com/programs/amplify-science/whats-included/>

² [STI At a Glance \(www.k12.wa.us\)](http://STI At a Glance (www.k12.wa.us))

Some of these activities were adapted from resources provided by the [Nooksack Salmon Enhancement Association](#) and [NOAA Fisheries](#). Thank you.