

**Survive the Sound** ([SurvivetheSound.org](http://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 3<sup>rd</sup>-5<sup>th</sup> grade science and social studies, especially the science units of Inheritance and Traits, Energy Conversations, Environments and Survival, Earth's Features, and Ecosystem Restoration<sup>1</sup>, and Washington State Tribal Sovereignty Curriculum, Since Time Immemorial (STI) for K-12<sup>1</sup>.

Lesson	Objective	Available platforms	NGSS and Social Studies alignment
<b>The Salmon Lifecycle</b>	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.	Google classroom, pear deck	<b>3-LS1</b> From molecules to Organisms: Structures and Processes
<b>Salmon Anatomy</b>	Students will be able to correctly label the features of a Steelhead and understand the function of each of those features.	Google classroom, Seesaw	<b>4-LS1</b> Structures and Processes
<b>Puget Sound Food Web</b>	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.	Google classroom, Seesaw	<b>3-LS4-4</b> Biological Evolution: Unity and Diversity; <b>5-PS3-1</b> Energy; <b>5-LS2-1</b> Ecosystems, Interactions, Energy, and Dynamics
<b>Salmon of the PNW</b>	Students will learn the names of 6 different species of salmonids, and understand the definition of a “species”.	Google classroom	<b>3-LS1</b> From Molecules to Organisms: Structures and Processes, <b>STI pathway 2- Honoring the Salmon</b>
<b>What’s a Watershed?</b>	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.	Google classroom, pear deck	<b>STI</b> One with the Watershed
<b>Steelhead Survival Game</b>	Students will understand some of the threats that steelhead smolts face as they migrate through the Salish Sea.	Google classroom	<b>3-LS4</b> Biological Evolution: Unity and Diversity

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

<sup>2</sup> [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.