CLIME TIME

2018-19 REPORT

A year of learning and exploration

A year of learning to bring climate science to Washington classrooms and communities

From the shores of the Pacific Ocean to the windy mountaintops of the Columbia River Gorge and beyond, hundreds of Washington science teachers participated in professional development during the 2018-2019 school year to strengthen their skills in teaching climate science to their students.

Hands-on experiences and a series of professional development activities helped teachers incorporate climate science into their classrooms through the 2018-2019 school year.

IN 2018-19, PARTICIPATING TEACHERS:

EXPLORED climate impacts on **Southern Resident Killer Whales** to better understand teaching innovations for NGSS

VISITED Windy Hills Winery to learn from grape-growing experts about the relationship between **agriculture** and changing climate

PARTICIPATED in seminars to learn about connections between **wildfire** and climate change

PRODUCED **Climate Champions** —a board game built in partnership with Filament games

GATHERED at the Tacoma Nature Center to learn how **human health** is impacted by climate change

HELPED develop a new **weather and climate module** of a Tyto Online videogame focused on NGSS

> I plan to use the instructional techniques presented to help improve engagement, student interest and higher order thinking. I also plan to include experts in the field and select examples that are as close to the students' geographic location.
>
> – *Teacher participant*

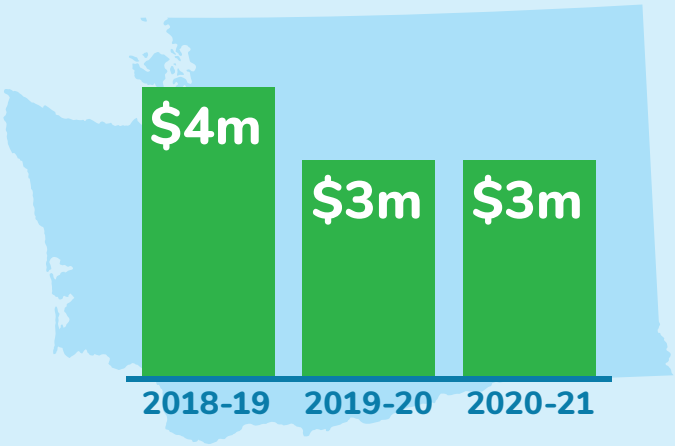
TRAVELED to the Washington State University Stormwater Center to learn how climate is impacting **floods and droughts**

LEARNED from tribal elders about **native plants and the importance of snow** to the state's ecology

MET at MC Bones Research Foundation Center to learn about **erosion/soil deposition and fossils**

... AND MORE!

STATE CLIMETIME FUNDING



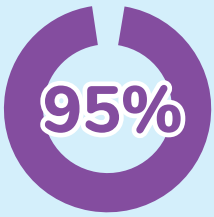
CLIMETIME EFFECTIVENESS

Our goal:

To build capacity of science teachers in all regions to help youth understand climate science and promote a thriving and sustainable environment

Goal set, goal met!

of participants agreed or strongly agreed that participation prepared them with the necessary skills to try something new or different in their professional practice



of participants agreed that they have broadened or deepened their understanding of research-based instructional practices

of participants shared that they have broadened or deepened their knowledge of topics related to climate science

About CLIMETIME

ClimeTime is facilitated by the Office of the Superintendent of Public Instruction (OSPI)—in collaboration with the UW Institute for Science + Math Education. OSPI manages the network and the grant funding flows through all nine Educational Service Districts (ESDs) in Washington and seven community-based organizations, which are launching programs for science teacher training linking Next Generation Science Standards (NGSS) and climate science.

In addition to teacher professional development, the project supports the 16 grantees to develop instructional materials, design related assessment tasks and evaluation strategies, and facilitate student events.

> I love the idea of storylines to connect the different standards and lessons in the kits. I will be using this immediately to help tie in some of the concepts especially with the field trips that we already use.
>
> – Teacher participant