

Clime Time | Climate Science Learning

NWESD is excited to partner with OSPI, the Association for Educational Service Districts (AESD), and community based organizations to continue our learning around climate science. Our second year of climate science education programming will allow us to further reach Pre K – 12 educators within our region as well as provide support for outreach across the state. Here is a sampling of the upcoming opportunities for climate science and NGSS training for teachers.

Teaching Climate Science to Early Learners

Come and learn about unit ideas and play-based activities that help early learning students connect themselves to climate science! Pre-K teacher leaders and NWESD's Early Learning Department collaborated on this workshop to teach early learning educators how to engage young learners in NGSS-aligned climate science instruction. Registration is now open for the November 5, 2019 workshop (Event #95579).

Culture, Science and Indigenous Ways of Knowing: An Introduction

"Western" science is a product of "Western culture." How might people of indigenous cultural backgrounds engage in science for their own reasons? What is meant by Indigenous Ways of Knowing? NWESD is collaborating with Falcon Cultural Resources in facilitating this workshop. Participants will experience dialogue and practices to promote students culturally meaningful ways engaging in science. Watch our website for course dates.

All I Need to Know to Understand Climate Science I Learned in High School Chemistry

NWESD is excited to partner again with the UW College of Oceanography faculty and graduate students to provide a learning experience for high school chemistry teachers that helps demonstrate the connections between chemistry and climate change. Participants will examine ocean acidification through the lens of chemistry, with an optical pH meter built by you and modeled after those used in current ocean research. Each participant will take home a device that can be built by students in their science classrooms. Watch our website for course dates.

High School Physics of Climate Science

NWESD intends to collaborate with the University of Washington to develop a one day class for high school physics teachers that illustrates how the physics in the classroom connects to climate change.

STORIES OF US AND THE WORLD: How We See Ourselves in Relation to Our Environment

English Language Arts are a vital backbone of learning science. To solve the problems of tomorrow, all students must understand their relationship to our climate and see themselves as active, empowered citizens of our world. In this workshop, teachers will explore how first-hand knowledge and experiences with climatic events are central to navigating a richness of narratives. Participants will engage in close reading and academic language strategies that support inclusion, empowerment, and participation in climate science and literacy learning. Watch our website for course dates.

Collaboration for Ambitious Science Teaching and Learning (CASTL)

New teachers were welcomed into the second year of our CASTL group. These 28 educators began their learning during our August CASTL Summer Institute. Participants engaged as learners in three-dimensional learning around a climate science phenomenon while also expanding their pedagogical content knowledge around equitable engagement and support of students' learning over time. This new cadre of teachers will join PASTL/CASTL alumni in three reflective planning days throughout the year where they will bring back student artifacts and examine them critically to look for opportunities to improve student engagement and deepen student thinking.

OpenSciEd (OSE) Piloting Cohort

A consortium of science education leaders from Northwestern University, Boston College, and BSCS, working with support from Carnegie, are developing an Open Educational Resource (OER) K-12 curriculum. These materials are currently being piloted by teachers across the country and by a group of eight dedicated middle school instructors in our region. Their contributions to this project are invaluable and place us in a position to be able to train more teachers in the use of these materials in the near future.

ClimeTime is a statewide initiative of the Washington Governor, the Washington State Legislature, OSPI, and the Association of Educational Service Districts (AESD). Participation is paid for by the Washington State Legislature's 2018 Climate Science Proviso.