

Cascadia Culture & geoScience Exchange

Building community resilience to Cascadia geohazards through culturally-rooted K-12 education

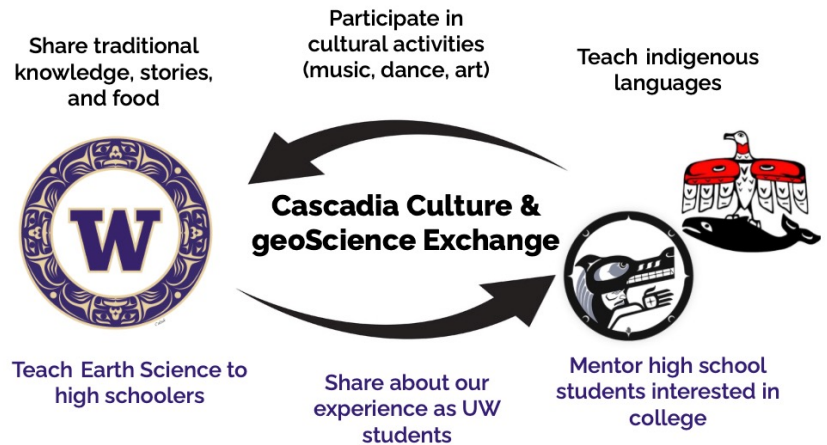


Overview

The Cascadia Culture & geoScience Exchange (CCASE) Program seeks to collectively increase coastal community resilience to geohazards through long-lasting and impactful educational partnerships with rural and tribal K-12 schools in Cascadia. By centering indigenous culture in our educational programs, we aim to empower rural and tribal students to see themselves as Earth Scientists and to pursue STEM after high school.

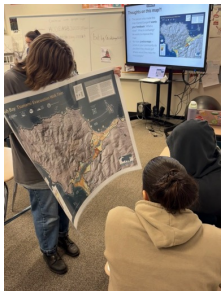
Programming

Based on UW's Riverways Education Partnerships program, CCASE team members develop week-long geohazards curricula that they then teach during UW's spring break. Hands-on lessons integrate geoscience and indigenous knowledge, with local field trips and guest lectures from Elders providing vital place-based learning. By centering indigenous culture, histories and lived experiences, CCASE aims to empower students to pursue STEM while simultaneously providing information on Earth Science careers and pathways.



During spring break week and on site visits throughout the school year, CCASE team members learn from students, partner teachers and community members who graciously share their cultural traditions, languages, histories and traditional knowledge. CCASE team members also mentor high school students through CCASE's year-long paid internship program, which aims to create a pathway for indigenous students into the field of Earth Science.

CCASE's Quileute (K'wòʔlíyot') program at Quileute Tribal School in La Push, WA is currently in its fourth year, and CCASE's Makah (Q'widiččaʔa-tx̌) program at Neah Bay High School in Neah Bay, WA is in its second year.



Program Vision & Needs

Our vision is to continue the Quileute and Makah CCASE programs while sustainably expanding our program to additional schools along the Cascadia coastline. To achieve this goal, we need to increase CCASE organizational capacity through hiring a full-time program manager. This vision necessitates an increased and longer-term funding source that enables continued student participation and program continuity.

Contact

If you would like to partner with us or help grow our program, please **email cascadiacase@gmail.com**.

Check out our **website** to learn more:
<https://cascadiaquakes.org/geoscience-education-and-inclusion/ccase/>

