

Program Name: CoastWatch

Program Website: www.oregonshores.org/coastwatch

Program Contact: Jesse Jones (she/her)

Email: jesse@oregonshores.org

Locations: oregon



Project Summary:

CoastWatch is a mile by mile beach adoption program in Oregon. CoastWatch volunteers adopt one mile of the Oregon coast and report quarterly on human and natural changes (erosion, development, use) using photos and narratives which are uploaded to our website for others to scroll through. The deeper part of our program connects volunteers to scientists to participate in citizen science projects on their mile. CoastWatch partners include COASST, NOAA, M/PIISCO, PRIMED and more. CoastWatch volunteers include teachers and the schools they teach, as well as National Parks, businesses, hiking clubs and more. For this teacher I will present the draft of a program called, "Your CoastWatch Mile as an Outdoor Classroom". Based on conversations with teachers on the south coast about available and helpful outdoor learning plans which are tailored to a local natural site (site-based education is preferable to educators).

Potential for application to the following STEM concepts:

- | | |
|---|--|
| <input type="checkbox"/> Biology/Ecology | <input type="checkbox"/> Measurement and Scale |
| <input type="checkbox"/> Physics | <input type="checkbox"/> Precision/Accuracy |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> Statistical Analysis and Patterns |
| <input type="checkbox"/> Earth Sciences | <input type="checkbox"/> Graphing Trends |
| <input type="checkbox"/> Cause and effect | <input type="checkbox"/> Stability and change |
| <input type="checkbox"/> Hypothesis testing | Other: <u>need help from teachers for this part!</u> |

Requirements of Participation

Time/Physical Commitment: 12 hours on beach per quarter/term, attend one science webinar, upload photos

Tools Needed: Transportation, boots, raincoats, rainpants, cameras, iNaturalist app, ruler, counter, more

Target Age for Independent Participation: Driving age

Other Requirements: