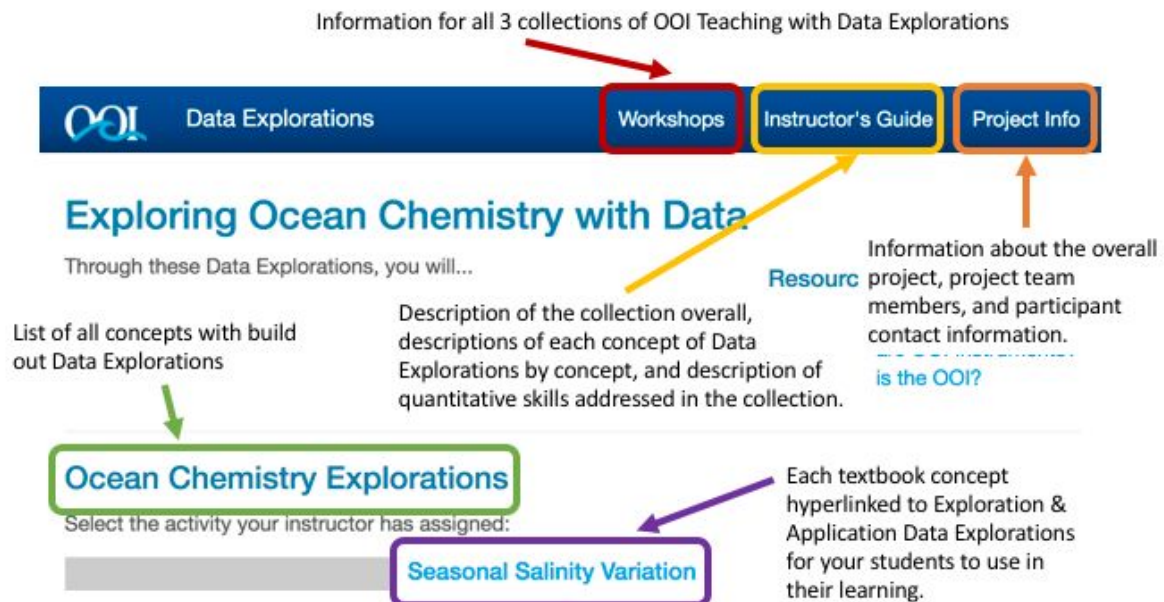


Ocean Observatories Initiative (OOI) Teaching with Data Workshop June 2-4, 2017

Project Website - <http://explorations.visualocean.net/index.php>

The project website hosts all of the activities and resources for the community to share.



Exploring Tectonics & Seamounts with Data Activities -

1. **Plate Boundary Features** - Students look at earthquake magnitude data from 2010 to 2017 off of the Pacific Northwest to look for and interpret seismic features and patterns along transform and divergent plate boundaries.
2. **Geologic Features of a Seamount** - Students look at seafloor (e.g., depth, tilt (x/y-axis)), mapping, and seawater data from before, during, and after a diking-eruptive event in April 2015 event at the Axial Seamount to look for and interpret the event.
3. **Seamount Diking-Eruption Science** - Students look at historical patterns of tracking diking-eruption events to make a prediction of the next event at Axial Seamount.
4. **Seismic Features at a Seamount** - Students look at earthquake magnitude data from different time periods around the April 2015 diking-eruption event at Axial Seamount, to look for and interpret patterns of seismic features at a seamount.