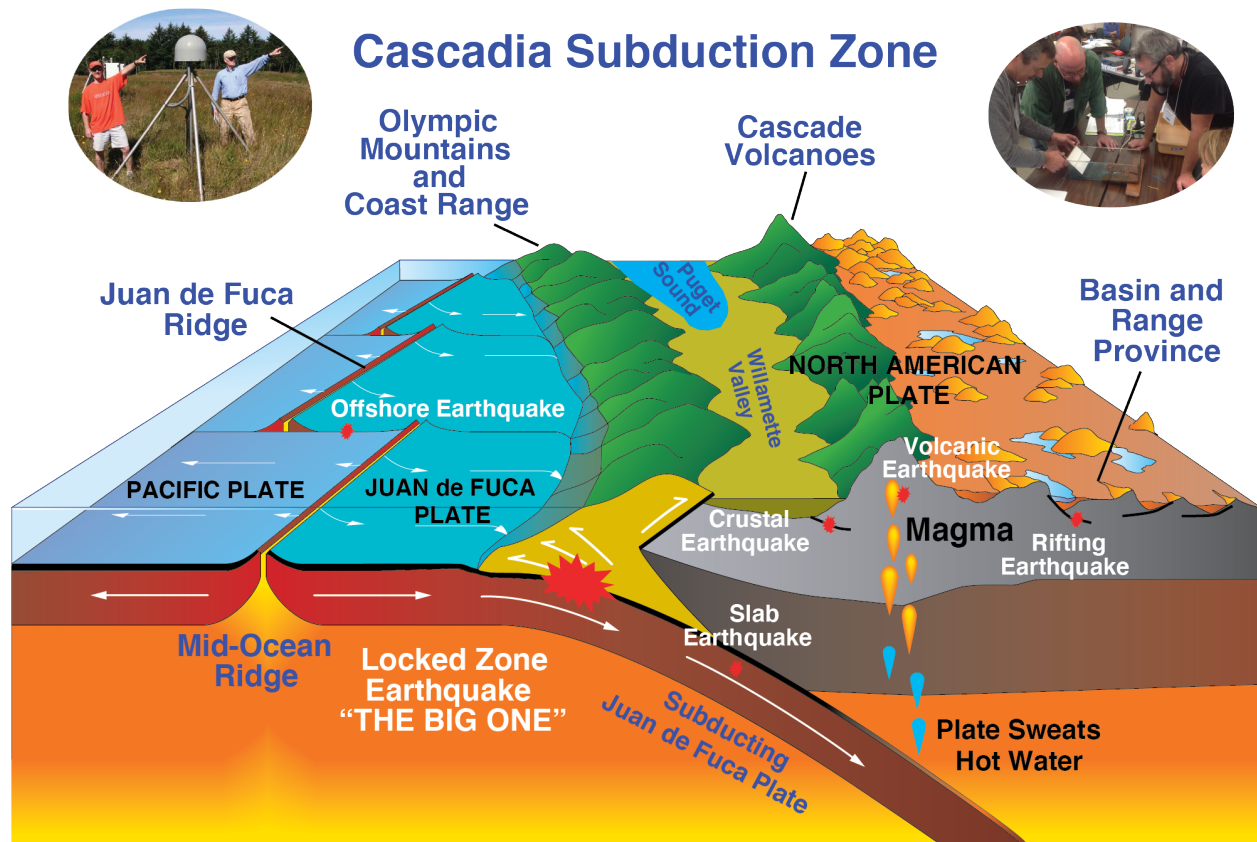


## FREE TEACHER ONLINE COURSE – Cascadia Earthquake Education



### Free K-12 Earthquake Science Professional Development Opportunity:

The University of Portland STEM Education and Outreach Center offers a self-paced online course about plate tectonics, earthquake, and tsunami in the Pacific Northwest. The four modules are:

- Pacific Northwest Plate Tectonics
- Earthquake Basics
- Cascadia Earthquake Science and Hazards
- Cascadia Tsunami Science and Hazards

Within each chapter, a video lecture (or series of video lectures) introduces the topic, along with additional videos and animations. Most chapters contain lesson plans for classroom activities and demonstrations (including student worksheets and answer keys). These lesson plans were designed for middle school students but can be adapted to elementary, high school, and college levels and are aligned to the Next Generation Science Standards. Successful completion of the course will result in receipt of a certificate for **28 PDUs (28 clock hours for WA teachers)**. If you have an interest and would like to register for the course, please send your preferred email address to: Bob Butler, University of Portland Professor Emeritus, [butler@up.edu](mailto:butler@up.edu). He will send you information on how to access this free on-line course!