

Attention Teachers: Training Opportunity

“Mentoring Students to Create High Quality Science Fair Projects”

**To be held concurrently with the Washington State Science & Engineering Fair
Saturday, Mar 27, Bremerton High School**

Presented by:

**Ashley Steel, Statistician, USDA Forest Service
Susan Swan, Science Specialist, Seattle Public Schools**

- 9:30** Introductions and workshop overview
- 9:45 Qualitative versus quantitative observations – Developing observational skills using live seedlings
- 10:15 Inquiry boxes – Exploring a structured method for setting up a testable research question using quantitative observations
- 10:45 Brainstorm a “simple” science project
- 11:00 What is a big science idea and how can students develop projects that help them better understand these ideas?
- 12:00 LUNCH
- 12:45 Big ideas for designing a data collection project: Sample size, replication, randomization
- 1:30 Making inference - What are statistics and what should you expect of students at different levels?
- 2:15 The Science Fair Poster: Communicating Research in the Introduction, Methods, Results, and Discussion Sections
- 3:00 Linking Science Fair Projects to Math and Science Standards, to the Classroom, and to Existing Curricula
- 3:30 End of workshop

Clock hours are available through SPS; space is limited.

To reserve a seat, contact headjudge@wssef.org