2012-2013 LASER Leadership Series:

STEM LEADERSHIP NETWORK

Pacific Northwest NATIONAL LABORATORY

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The Pacific Northwest National Laboratory, ESD 123, and the SE LASER Alliance continue to offer a robust networking opportunity for teams of building principals and science teacher leaders to learn about key components of science and STEM education from the administrator's perspective.

Networking Sessions focus on how building principals, as instructional leaders, can implement policies and practices that support research-based science and STEM instruction and partner with teacher leaders to develop a collaborative culture of shared responsibility for student learning. As the work continues to move forward, two explicit outcomes will be tailored to the administrators and their teacher leaders in the network:

EFFECTIVE STEM LEARNING EXPERIENCES:

- *Understand how the administrator supports a teacher's use of research-based instructional practices, materials, and assessments so that students:*
  - *have a deep foundation of usable knowledge and have a conceptual framework;*
  - *are motivated and intellectually engaged;*
  - *reveal preconceptions and reasoning;*
  - *use evidence to generate explanations; and*
  - *reflect on how personal understanding has changed over time.*

ENHANCED STEM TEACHER PROFESSIONAL KNOWLEDGE & SKILLS

- *Understand how the principal's role can support teachers as they develop a deep foundation of usable knowledge and skills, so that they demonstrate growth in:*
  - *deep content knowledge in their area of assignment;*
  - *how students learn science;*
  - *the science standards;*
  - *the curriculum materials that provide effective science learning experiences;*
  - *content specific pedagogy; and*
  - *assessment practices for formative and summative purposes.*

STEM LEADERSHIP NETWORKING SESSIONS:

10:00 A.M. – 2:00 P.M. at the ESD 123 – Blue Mt. Room

- Thursday, October 25th
- Thursday, January 24th
- Thursday, April 18th

QUESTIONS:

Contact Peggy Willcuts at ***peggy.willcuts@pnl.gov*** or Georgia Boatman at ***gboatman@esd123.org*** for further information or to express interest.

Washington State LASER Leadership and Assistance for Science Education Reform

U.S. DEPARTMENT OF ENERGY