

Call For Action

This Institute responds to the National Governors' Association challenge to increase STEM literacy in the United States by creating professional development programs for leadership teams that "bridge" the four areas of science, technology, engineering, and mathematics.

It also provides a roadmap with multiple routes by which K-12 schools in Washington can address the top recommendations of a 2010 report to Washington State Governor Christine Gregoire and the Washington State Legislature. The report, written by the Washington State Office of the Superintendent of Public Instruction (OSPI) STEM Work Group for STEM Education, made the following recommendations for the 2010-2020 decade:

- Improve STEM teaching throughout K-12;
- Establish a deep and sustained commitment to STEM innovation throughout K-12; and
- Ensure strong community and business engagement for STEM education.



Application Review Process

The following criteria will be used by a screening committee to select STEM education leadership teams:

- Evidence of a leadership team with skills, commitment and credibility to lead a STEM education effort.
- Each team should include:
 - An administrative lead with financial decision-making authority (e.g. building principal, district administrator or regional administrator); and
 - Experienced teacher leaders from the STEM subject areas and representatives from the school, school district, consortium or region; and
 - Community representative (e.g. school board member, scientist, engineer or mathematician from a local corporation or business, college or university, museum or federal research facility) who will work with the school, school district, consortium or regional team during as well as after the Institute to develop community support for STEM education.
- Applications clearly communicate their school, school district, consortium or region's willingness to:
 - Attend,
 - Fully participate,
 - Develop, and
 - Implement a STEM Education Action Plan.

Applications can be found at:
wastatelaser.org/_events/stem/index.asp



STEM Education Leadership Institute



June 24-28, 2013

Southcenter DoubleTree Guest Suites
Tukwila, WA

Co-led by:



Battelle
The Business of Innovation

Washington State LASER STEM Education Leadership Institute

The Washington State Leadership and Assistance for Science Education Reform (LASER) invites you to the STEM Education Leadership Institute from Monday, June 24 through Friday, June 28 at the Southcenter DoubleTree Guest Suites in Tukwila. This week-long residential experience is a "gateway event" designed to prepare schools, school districts, consortia or regional leadership teams to launch their STEM-focused efforts. After participating in the Institute, participants will have the skills to translate Institute learning experiences into an Action Plan that:

- Reflects their commitment to STEM education by choosing a STEM education pathway to develop science, technology, engineering, and mathematics learning opportunities for all students;
- Shows the team's understanding of the context in which they work (local, state and national) by setting goals and identifying the critical issues associated with these goals;
- Leverages prior efforts to: build students' abilities, understandings, skills and habits of mind in the areas of inquiry, problem-solving, and design; improve achievement, college and work readiness; and demonstrate the connections between academic learning and the world beyond the classroom;
- Meaningfully integrates the current national *Common Core State Standards in Mathematics, English Language Arts, National Technology Education Standards and Next Generation Science Standards* built upon *A Framework for K-12 Science Education*,
- Uses current education research and strategies to design highly effective STEM education programs;
- Applies strategies for building awareness of a shared vision for STEM learning and teaching with all formal and informal stakeholders; and
- Incorporates a plan to evaluate/provide feedback for continuous improvement.

The Institute is a partnership between Pacific Science Center, Washington State LASER, OSPI and the Pacific Northwest National Laboratory with major funding support from Battelle.

Dates & Registration Fees

Dates

Monday, June 24, 1 p.m. through Friday, June 28, 2 p.m.

Location

The Institute is residential in nature and will be held at the Southcenter DoubleTree Guest Suites in Tukwila, Washington

To be considered for the Washington State LASER STEM Education Leadership Institute:

- Applications must be sent to Sonia Siegel Vexler at ssiegelvexler@pacsci.org and received by Friday, **March 29, 2013**.
- Districts will be notified of their acceptance by Friday, April 26, 2013.



Participating teams will pay a nonrefundable registration fee of

- \$5,000 for a team of five members (a grant from Battelle helps offset the cost of the first five team members)
- Up to three additional participants may be added to any team for a fee of \$1,500 per person
- If you are a small school district of less than 1,000 students, please call Sonia Siegel Vexler to discuss alternate configurations.

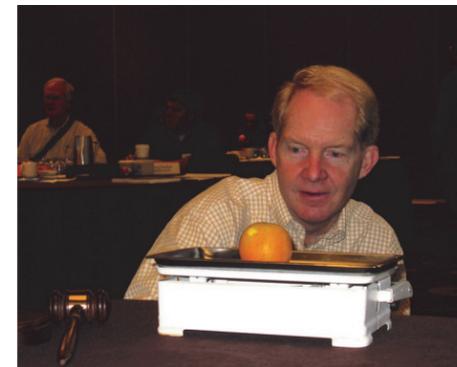
Registration fee covers:

- A private hotel room for each team member
- Daily breakfast
- Daily lunch
- One dinner
- All materials and supplies

Teams are responsible for:

- Transportation expenses
- Three dinners
- Any payment to teachers as required by union contract

Upon notification of acceptance, school districts will be invoiced and payment must be made prior to the Institute. Checks should be made payable to Pacific Science Center.



For More Information Contact:
Sonia Siegel Vexler, Washington State LASER Acting Co-Director at (206) 443-2903 or ssiegelvexler@pacsci.org.

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wastatelaser.org/_events/stem/index.asp