



2013.11.15 Science Update

Work of the Regional Science Coordinators/LASER this year:

- Building district and regional capacity for the transition to the Next Generation Science Standards.
- Improving students' ability to engage in the engineering design process which will support success on the "application" strands of the 5th and 8th grade MSP and pave the way for the increased focus on engineering practices required by the NGSS.
- Equity of access to science for all students and strategies to support non-dominant sub-groups.
- Supporting STEM implementation efforts in districts.
- Supporting Biology EOC and COE work in districts.

How Northwest ESD can support districts:

Next Generation Science Standards (NGSS) adoption and transition:

- **Regional Science Leadership Team (RSLT):** Two science leaders from each district participate in the Leadership network. Regional Science Leaders will build their own understanding of the Next Generation Science Standards in order to inform planning, professional development and implementation in their districts. They will provide district perspectives on state and regional NGSS implementation and support plans. Their expertise is a great resource to inform colleagues and engage them in professional learning around NGSS.
 - **This year's dates:** 10/22, 01/22, 04/16. For more information and to register, contact Nancy Menard, nmenard@nwesd.org or 360-299-4020.

Engineering, Application and Assessment Support:

Application Series: Supporting Student Success in Engineering and Technological Design

In this three part series, 5th and 8th grade teachers will engage in a collection and study of MSP-like student growth measures in order to:

- Understand the technological design process as described in the WA standards and the NGSS
- Understand the student expectations for engineering design standards/item specifications
- Understand application item types as assessed on the MSP
- Apply their understanding of the applications/engineering in the classroom in their own context

Dates: December 3rd, January 14th and Feb 25th. **Look for a reminder about registration soon.**

Science Materials Center Cooperative:

The SMC is not comfortably housed on the Marysville-Pilchuck High School campus. We have tripled our space and are adding services for the Marysville SD to our operations. Our cooperative Advisory Group will meet today to develop input for the NW LASER Alliance team to take in December. It is clear that thinking regionally about transitions will be import to not only the operations at the Center, but to the member districts. For more information, contact Joanne Johnson, jjohnson@nwesd.org, 360-299-4046.

Please contact me for:

- professional development in content knowledge and science standards**
- support for teachers, coaches, teacher-leaders and principals to promote student learning of worthwhile science.**



2013.11.15 Math Update

Work of the Regional Math Coordinators this year:

- Building district and regional teacher capacity for the transition to the Common Core State Standards.
- Building district and regional teacher capacity for the transition to SBAC.
- Equity of access to math for all students and strategies to support non-dominant sub-groups.
- Supporting district CCSS transition efforts in districts.

How Northwest ESD can support districts:

Common Core State Standards and SBAC transition:

- **Holt and Math Expressions User Groups:** These groups meet together between PSESD and NWESD to support implementation of these curricula.
- **District Math Coaches' PLC:** Math Coaches work with colleagues within districts to support instructional strength and improvement. Coaches participate in a professional learning community through NWESD to build capacity through collaborative work, research study, and common planning. The coaches meet five times a year. Scheduled meeting dates for the 2013/14 school year are: 10/01, 11/13, 2013, 1/13, 3/24 & 5/15/2014.
- **OSPI Math Fellows:** Math Fellows work alongside NWESD to bring the latest news and updates from OSPI to their districts. Math Fellows inform OSPI of the successes and needs in their district to help strategic state-level planning of professional learning. Math Fellows bring common professional learning back to their districts and work with their system to inform and education teachers about the state's transition to CCSS.
- **CCSS Alignment of Instruction and System:** I can assist districts and teachers in becoming familiar with the CCSS in mathematics for both instructional and system (district coherence) perspectives.

Please contact me for:

- professional development in content knowledge and Common Core State Standards for Mathematics.
- technical support of participating teachers, coaches, teacher leaders and principals to promote student learning of worthwhile mathematics.