



Spotlight on **STEM Co-operative**

Did you know that the NCESD has a STEM Co-operative? Co-op members receive multiple benefits from the NCESD within the areas of STEM education, including complimentary registration to the STEM Summit.

Building on the structure of the MLA, the STEM Cooperative opportunities for your district and support from the NCESD have expanded across multiple content areas. Contracts are established on a tier structure determined by district FTE.

If your district is not a member of the STEM Co-op, we'd love to share more information on the benefits. For more information, contact Linda McKay lindam@ncesd.org



Congratulations Dr. Price!

We are thrilled to announce that NCESD Superintendent Dr. Michelle Price has been selected as the 2018 National Educational Administrator of the Year by the National Association of Educational Office Professionals.

She was honored at an awards banquet during the NAEOP Annual Conference held at the Double Tree by Hilton in Bloomington, MN, on July 18.

NAEOP members hold this National Educational Administrator of the Year award in high regard, and it is a significant honor to those who are selected. Josh Meek, superintendent of Moses Lake School District, said of Michelle, "Dr. Price is a recognized school leader who serves her colleagues selflessly not because of the recognition she receives, but because she knows it is the right thing to do. Dr. Price has an uncanny set of personal skills that make her an ethical leader who genuinely cares more about those around her, and those that she serves, than her own interests."

This award follows the honor Dr. Price received in April as 2018 Washington Association of Educational Office Professionals (WAEOP) Administrator of the Year. The state award was entered in the national competition and she was selected from nominations across the U.S.

Melisa White from Moses Lake, who nominated Dr. Price for this prestigious award, said of her, "Dr. Price is a great leader, motivator and cheerleader for the educational support professionals in the districts she supervises ... she is an exemplary leader in every role she has undertaken."

Dr. Price has served as superintendent of North Central ESD, located in Wenatchee, for the past year, and prior to that time served as superintendent of Moses Lake School District where she worked for 27 years in various capacities.



Register now for the August STEM Summit

CLOCK HOURS AVAILABLE AT THE AUGUST 13-16 EVENT

STEM education integrates concepts that are usually taught as separate subjects in different classes and emphasizes the application of knowledge to real-life situations. A lesson or unit in a STEM class is typically based around finding a solution to a real-world problem and tends to emphasize project-based learning. Many STEM lessons involve building models and simulating situations, and impactful STEM lessons ensure that students understand the connection to the real world.

STEM education could take place in a separate STEM class or be incorporated into practically any subject and grade level. Of course, science and math classes would be able to directly implement STEM-related lessons. In a social studies class learning about the Industrial Revolution, however, many students may design their own assembly line. OR, in an English class, students may keep a journal about their thinking and research processes while designing a realistic bridge from a fictional novel.

The following STEM Education statistics were recently published by iDTech:

1. STEM jobs are projected to grow 13%.

Between 2017 and 2027, the number of STEM jobs will grow 13 percent, compared to 9 percent for non-STEM jobs—with positions in computing, engineering, and advanced manufacturing leading the way.

(Via Change the Equation)

2. The average median hourly wage for STEM jobs is \$38.85.

Compared to the median earning for all other types of jobs in the US - \$19.30 - STEM-related jobs pay exceptionally well.

(Via Change the Equation)

3. Out of 100 STEM occupations, 93% of them had wages above the national average.

The national average for STEM job annual salaries is \$87,570, where the national average for non-STEM occupations sits at roughly half—\$45,700.

(Via the Bureau of Labor Statistics)

4. The US placed 38th of 71 countries in math, and 24th in science.

This is according to the Programme for International Student Assessment (PISA)—which is regarded as one of the biggest cross-national tests of its kind.

(Via the Pew Research Center; Pew also just published these 7 facts about the STEM workforce on 1/9/18)

5. Only 36% of all high school grads are ready to take a college-level science course.

(Via the National Math & Science Initiative)

Workshops scheduled for the August STEM Summit include:

- Vocabulary in a Science Classroom
- TEALS Computer Science overview
- Developing Assessment Capable Learners
- Mathematical Modeling
- Kids in the Creek- connecting students with their natural environment
- Authentic Professional Learning- starting learning labs in your building
- Weather and Sky
- Number Talks
- Using Tech for Classroom Management and Engagement
- Using Google Tools
- Standards-based Grading in Skyward
- Tying Elementary Makerspaces to Literacy
- Using Computation Strategies Based on Reasoning
- Using Neuroscience in the Art of Teaching
- How To Use Robots in Every Classroom

Registration and event details can be found at
WWW.NCESD.ORG/STEMSUMMIT