

# n√ Power Girls

Cultivating achievement  
and interest in STEM

## What is nPower Girls?

nPower Girls is designed to spark girls' curiosity in science, technology, engineering and math (STEM) through activities that promote knowledge and discovery.

## How does it work?

ESD 112 and grant partners invite 4-8th grade Math and Science teachers from **Castle Rock, Longview, Mill A, Mt. Pleasant, Naselle-Grays River Valley School, Ridgefield, Three Rivers Christian School** and **Wishram** to participate in a three-year professional development program. We will explore community-based STEM businesses and meet with women working in these positions. nPower Girls is aimed at strengthening instructional practices that support female students' learning in STEM and connect them with mentors around the state. Please contact your building administrator if you would like to participate.

## Benefits

- Cultivate girls' interest in STEM subjects and careers
- Increase student achievement in math and science by connecting to "real world experiences"
- Learn STEM content knowledge to support girls' learning in STEM subjects
- Professional development opportunities each year for three years
- Stipend over three years (\$6,510) partial payment each year
- Travel and substitute cost covered by grant

*On the Columbia River, the welded sculpture "Wendy Rose" pays tribute to all the "Wendy the Welders," over 10,000 women who worked at the Kaiser Shipyards in Vancouver during WWII. Created by the group of artists Women Who Weld.*



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## Professional Development Activities (240 hours over three years)

### Spring 2015: (6 clock hours)

Tuesday, May 12th 8:30-3:30 p.m. @ ESD 112 Vancouver  
Teacher and Administrators, sub pay and travel provided

Agenda Includes:

- 8:30am..... Introductions & Networking @ ESD 112
- 9:30am..... Visit to local STEM Business (Kyocera)
- 12:00pm..... Lunch
- 1:00pm..... Implications for classroom practice
- 2:00pm..... Action Plan presentations from current  
pilot teachers

### Summer 2015: (24 clock hours)

8:30am – 3:30pm Location TBD  
Thursday, June 18th and Friday, June 19th  
Thursday, August 13th and Friday, August 14th  
Travel & \$35/hr stipend provided

### School Year 2015-2016 (50 clock hours)

Times, dates & Location TBD  
6 Workshop Days, sub pay and travel provided  
3 Online Collaboration webinars  
8 hours of personal action research

### Summer 2016: (30 clock hours)

Time, dates & Location TBD  
Travel & \$35/hr stipend provided  
5-Day Workshop Real World STEM activities with female  
students

### School Year 2016-2017 (50 clock hours)

Same schedule as School Year 2015-2016

### Summer 2017 (30 clock hours)

Same schedule as Summer 2016

### School Year 2017-2018 (50 clock hours)

Same schedule as School Year 2015-2016



## Grant Commitment

- Actively participate in all professional development activities over 3 years (2015-2018)
- Develop an action plan to meet the needs of girls in STEM subjects

## Grant Partners

- Clark College
- Washington State University – Vancouver
- STEM Network
- US Army Corp of Engineers
- Oregon Tradeswomen, Inc.
- Educational Service District 112

## Want to Learn More?

Sue Bluestein  
(360) 952-3435  
sue.bluestein@esd112.org

Vickei Hrdina  
(360) 952-3427  
vickei.hrdina@esd112.org

Kathy Whitlock  
(360) 952-3417  
kathy.whitlock@esd112.org