

DONNA STERLING INSTITUTE

Thursday November 14, 2019 Hotel Roanoke and Conference Center 8:00am – 3:00pm

The Donna Sterling Institute is pleased to announce plans for the Sterling Institute to be held at the Hotel Roanoke on November 14, 2019 from 8am-3pm. You may have heard about Virginia Initiative for Science Teaching Achievement-VISTA. Donna Sterling was instrumental in her vision of problem-based learning as a means of teaching not only science but integrating science with math, engineering and technology. Students also learn to use language arts skills to communicate their findings with one another and in some cases school boards or town councils. Here is your chance to learn how to implement this powerful teaching vision and to become excited about your teaching.

The cost is \$100, (includes breakfast and lunch). The registration link is below.

The VAST Thursday afternoon workshops and the PDI follow the Sterling Institute. Note: Registration for the Sterling Institute does **NOT** register you for the VAST PDI and Thursday afternoon workshops, **NOR** does registration for the VAST PDI entitle you to attend the Sterling Institute.

Title: The Power of Problem-Based Learning for Teaching STEM

Description: Frank Niepold, teaching climate lead for NOAA's Climate.gov web portal will speak on climate resiliency. This will model how to identify a current problem. Using a current science topic, climate science, the leaders will next demonstrate how to develop a problem-based learning unit that is adaptable for elementary through high school. Check the following websites out to learn more about climate resiliency. The U.S. Climate Resilience Toolkit; <https://toolkit.climate.gov/> and the Fourth National Climate Assessment; <https://nca2018.globalchange.gov/> are key parts of a related problem. Engineering, mathematics, and reading in the content area are all essential to PBLs - we won't break them out; we'll embed them! You'll find that PBLs strongly support the 5 C's: Critical Thinking, Creativity, Communication, Collaboration and Leadership, and Character. There will also be an example of a developed PBL.

In the afternoon, teachers will begin developing their PBL on a topic of their own choice. Teachers may work in groups or solo. Participants will be assisted by veteran PBL teachers. Participants may have the opportunity to have their PBL published.

Registration fee: \$100,00 includes breakfast, lunch, and materials
(Institute registration fee does NOT include registration for the VAST PDI)

Register online at

2019 Online Registration Form and Fees for PDI attendees, exhibitors, and Donna Sterling Institute.

<https://vast.wildapricot.org/Registration-Information>

Online registration is open from March 15 to October 31. Onsite registration is NOT available on November 14.