K-8: Leveraging Evidence to Support Children’s Meaningful Science Learning

Presented by:
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October 24, 2015 (9:00 am – 2:30 pm)
116 Chambers Building
University Park, PA 16802

Scientific practices, such as constructing explanations from evidence, have been shown to support students’ meaningful learning of science ideas AND about how science is done. The CLAIMS—EVIDENCE—REASONING (CER) framework is useful for structuring students' talking and writing in ways that leverage evidence to make sense of natural phenomena. In this workshop, we will: (a) address the Next Generation Science Standards (NGSS) three dimensional learning (core ideas, scientific practices, and cross-cutting concepts) with an emphasis on scientific practices; (b) introduce CER as a framework for constructing scientific explanations; (c) demonstrate a KLEWS chart as an instructional strategy for supporting the construction of explanations; and (d) provide opportunities to view and discuss classroom science teaching. Join Carla, Science Education Professor and co-presenter of the NSTA NGSS Webinar Series Teaching NGSS in Elementary School and her colleague LeAnna Hooper for workshop activities all teachers can implement immediately into their science classroom!!

This workshop is FREE to all educators with ACT 48 (5 hours) available for $10.00 through a partnership with CIU #10.

All Saturday Science workshops are aligned to the PA Science and Technology standards, Engineering Education Standards, and Next Generation Science Standards.

A continental breakfast and lunch are provided by the Center for Science and the Schools (CSATS). Maximum enrollment is 24, please register online now to reserve a spot – http://csats.psu.edu.
For more information email Leah Bug at leahbug@psu.edu or call 814-865-8397.

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