Pennsylvania Science Matters e-Blast
November 15, 2016

This issue of the Science Matters eBlast is filled with Pre-K through high school opportunities and resources for both teachers and students. Please share the eBlast with your colleagues. It is also available in the Science Learning Community of SAS. If you have questions or items for Science Matters, contact Dave Bauman: davbauman@pa.gov

Did you know . . . that the molecules you leave behind on your cell phone reveals your life style? The study comes from the University of San Diego Health Services.

Skeptical Science . . . is a webpage that focuses on explaining climate change science and rebutting global warming misinformation. Skeptical Science provides up to date research regarding climate change science.

Pennsylvania’s own . . . Bruce Yeane has a youtube channel devoted to a collection of classroom activities that he has used in teaching physical science in the Annville-Cleona School District. Check it out!

The Science Learning Community on SAS . . . now has over 2,500 members! That is phenomenal to have so many science educators from across Pennsylvania linked to receive information regarding science education. While some of you are also part of Science Matters, between the two groups, we are reaching over 6,000 science educators in Pennsylvania regarding issues in the teaching and learning of science. This is phenomenal!

Professional Opportunities

PSTA Annual Conference will be held on November 30 – December 2 at the Penn Stater in State College. Early Registration ends on November 15. The Advance Program is available on the PSTA website and in the SAS Science Learning Community Forum. Previous eBlasts included sessions grounded in NGSS which are NOT included in the advance program. Check the previous eBlasts in the Science Learning Community. Early registration ends today.

PSTA Leadership Day – A Common Vision of Science Education in Pennsylvania will be held on November 30 at the Penn Stater, State College. The full day and evening conference will focus on Three Dimensional Teaching and Learning, constructing a coherent K-12 science curricula, implementing a Three Dimensional Learning Model, supporting teachers with high quality professional development, and networking to share resources and expertise. Resource People include Brett Moulding, Peter McLaren, and Carla Zembal-Saul. Participants will receive A Vision and Plan for Science Teaching and...
Learning. In addition, districts who have been using NGSS and the Three Dimensional Learning Model will be sharing their experiences in implementation of new science curricula. Further in depth sessions will be offered at PSTA on December 1. The program and registration materials for the Leadership Day are available in the SAS Science Learning Community.

Reminders

SAS Training – Coming to a location near you will be a SAS Training held by the Content Advisors from PDE. Sessions are planned for Pittsburgh PaTTAN, Colonial IU20, Harrisburg PaTTAN, State College, Northwest Tri-County IUS, Hilton Scranton, and East PaTTAN. It is designed to review all the new enhancements and resources within the SAS Site. Registration is located at IU 5.

The US Department of Education Green Ribbon Schools application is now open and available on PDE’s Green Ribbon School website. Applications for GRS are due on December 5, 2016. Download the application to help make submission easier!

PA State Parks continue to offer innovative, multi-modal educator workshops across the state. Participants will receive Act 48 credit. Continuous updates of workshops can be found at: http://pennsylvaniagov.enterprise.localist.com/search/events?search=teacher+workshops

Grants, Awards, Contests

NYSC – The National Youth Science Camp is now accepting applications for graduating high school students from Pennsylvania. The camp is limited to two students from each state, which is an amazing honor. This is a phenomenal experience for students that will take place in West Virginia, June 14-July 8 . . . and all expenses are paid! Applications are now available online. Start the process immediately!

NSTA Awards and Recognition Program recognizes exceptional and innovative science educators. The deadline for all awards is December 15, 2016. NSTA Awards and Recognitions.

The Presidential Awards for Excellence in Mathematics and Science Teaching application will be available the first week of November. PAEMST is a phenomenal program that recognizes excellence in the teaching of science. By going to the PAEMST website, you can sign up for notification of information regarding the program.

DEP Environmental Education Grants have been revamped for the 2017 grant round. More information is on the DEP Grant webpage.

Science Matters Information

If someone sent you this eBlast, you can become a member of Science Matters to receive it directly! Go to: http://pascience.org/Science-Matters.php
Science Matters is an initiative of the Pennsylvania Science Teachers Association and the National Science Teachers Association to promote quality science education, through the sharing of information, resources, and professional development opportunities. The Pennsylvania state coordinator is Dave Bauman: davbauman@pa.gov.