2018 Research Experience for STEM Educators and Teachers (RESET)

Questions and Answers

Why should I apply to the Army Educational Outreach Program (AEOP) Research Experience for STEM Educators and Teachers (RESET)?

As a STEM educator working with upper middle or high school students, you are likely well aware of the need to help students connect their STEM content knowledge with research skills and mindset, and simultaneously help them become aware of how their STEM learning connects to potential careers in STEM-related jobs. The RESET program helps you, the educator, develop skills and resources to assist students in these areas.

How does RESET work?

Each year through an online application process, a cohort of educators from across the U.S., including educators from DoD schools, is selected competitively. Once the cohort (approximately 24 educators, who comprise Level 1) is formed, a collaborative online learning module, called Introduction to Research, is conducted over 30 hours in April. The cohort works together on the module and is introduced to the Legacy Cycle way of learning.

A subset of the cohort goes on to the next level as Level II participants (comprised of 6-8 educators). In June or July, Level II educators travel to an Army research laboratory to conduct research with an Army scientist or engineer; this phase of the program is a four-week (160 hours) on-ground mentored experiential learning opportunity. While at the lab, Level II participants stay in touch with the initial cohort and share what they are learning. In August, the full cohort reconvenes online for another 30 hours to collaboratively develop Legacy Cycles.

What is a Legacy Cycle?
A Legacy Cycle is a standards-aligned project-based learning module that is collaboratively designed by the full cohort, based on the experiences of the Level II cohort members. The modules must align with grade level standards in math, science, English Language Arts (ELA), and social studies - as appropriate for the research outcomes that the cohort educators choose to highlight. The modules are intended to be taken back to the classroom for use with students to help them develop research skill in STEM-integrated activities as standards based instruction. The full cohort has access to RESET Legacy Cycle resources.

What is the stipend and travel support for RESET cohort members?

The hourly stipend for RESET cohort members varies and is based on the AEOP GEMS program pay scale. It takes into account the education level and years of teaching experience that a cohort member demonstrates in the RESET application. In addition to the stipend, Level II cohort members also receive travel support for transportation, housing, and a per diem while onsite at an Army research lab.

What do I need to do to apply?

To apply, first read through the RESET Application Tips (left menu) for information about the essay questions that you will be required to answer. You may want to answer the questions off-line in a document, and then cut and paste your answers into the application form. Also, please be ready to

upload two PDF files as part of the application: 1) your resume, and 2) a STEM lesson plan you have written and/or developed, with cited resources.

When and where do I apply?

Applications should be submitted to this site by the February 15 deadline.

After I submit the application, how do I make changes or update information?

To make changes to an existing application, click the link in your confirmation email and enter your confirmation number. Select "modify" to make changes to your application. The option to make changes is not available after the application deadline passes.

When will I know if I am chosen?

Selections will be made during the two weeks following the application deadline of February 15, and notifications to applicants will be sent out on March 1.

What are the different levels of participation in RESET?

Level I - Approximately 24 cohort members complete Module 1 and Module 2 online, for a total of 60 hours. The modules include experiential learning, collaborative learning about research skills, project-based learning, the Legacy Cycle, learning about the careers of various Army research scientists and research engineers, and learning how to generate an integrated STEM-learning activity as a Legacy Cycle.

Level II – Up to 8 members from the full cohort complete Level I requirements AND are competitively selected to participate in four weeks of onsite research at an Army research lab, where they work alongside an Army research scientist or research engineer. Level II cohort members serve as team leads during Module 2, and work collaboratively with the full cohort to create a Legacy Cycle that can be taken back to the classroom.

Level III – This level features the STEM Educator Mentor, who is a prior Level II participant. Two Level III participants are selected to work as peer mentors with the cohort, by assisting in the delivery of the on-line learning modules, and in fostering collaboration and access to resources (such as the aeopreset.org site).

What happens after participating as a RESET cohort member?

Because of the collaborative nature of RESET, many prior STEM educators have kept in touch with one another. Legacy Cycles, of course, can be used in the classroom, and cohort members can continue to refine them after they have been used - by incorporating feedback from one another. Level II cohort members may apply for travel funds, if they seek to present their work at a national STEM education conference. Cohort members can apply for RESET classroom grants ($300 - $500) to purchase STEM instructional equipment to assist in delivery of a RESET Legacy Cycle.

Where can I get more information?
General Inquiries:
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