STEM and Computing Partnerships Program

DRK12
Principal Investigator Meeting
Washington, DC
August 5, 2014

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"To promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense…"

FY 2015 Budget Request $69Million

Program supports preK-12 STEM teaching and learning through partnerships among K-12 schools, universities, out of school organizations, business, industry, and other stakeholders.

Partnership work is intended to extend learning beyond traditional perspectives of K12 affording a vision for learning in and across all emerging learning environments.

The program advances research studying the influence of partnerships on improvement of STEM teaching and learning, and conditions under which such interventions are shown to be effective. Projects require strong standards of evidence to ensure outcomes have potential to operate at the national scale.

Computing within STEM disciplines

<u>Program recognizes 'computing' as distinct from the 'T' in STEM</u>

In response to the increasing dependence of STEM disciplines on computing and the need for a STEM workforce that has a strong foundation in computing, proposals are encouraged to emphasize integration of computing across disciplines.

Computer science courses and learning technologies

Computer science, as a field, is a high priority for the nation. The program will seek to advance CS teaching and learning at the middle and high school level.