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Executive Summary

The American Competitiveness Act, supported by the Administration, Congress and Industry, calls for strengthening science and math education. This proposed initiative provides teachers in the local community with essential knowledge in math and science and effective teaching methodology. The program is based on Jefferson Lab's DOE-funded Academies Creating Teacher Scientists (ACTS) program, a very successful 4-week summer program for middle school teachers. Due to funding and space limitations, JLab's ACTS program can only serve a very limited number of teachers (16 teachers per summer). Demand for this program is high. This educational initiative, entitled JLab Science Activities for Teachers (JSAT) will allow JSA/JLab to reach an additional 40 teachers each year and place JSA/JLab as the community's leader in providing needed professional development for local teachers. Serving an additional 40 teachers per year will positively impact an additional 4,000 students, not only this year, but every year.

The Department of Energy is dedicated to training the next generation of scientists and engineers to maintain U.S. scientific and technological leadership. Jefferson Lab's mission includes helping to educate the next generation in science and technology. JLab is a valued contributor to science education and a major resource to the local, regional, and national education communities.