Tribal Computational Science Program

http://www.ahpcc.unm.edu/Alliance/Tribal/

Evans Craig, Education Outreach and Training Manager
Albuquerque High Performance Computing Center, University of New Mexico, United States of America
Voice: 505-277-9544    Fax: 505-277-8235    E-mail: ecraig@ahpcc.unm.edu

Abstract: The Native American Distance Education Community Website (http://www.ahpcc.unm.edu/Alliance/Community/) is gathering, cataloging, and distributing high performance computing programs, tools, and resources for utilization by Native American serving schools, colleges, and universities. Institutional technology infrastructures are being assessed, and a feasibility study is being created to support infrastructure-funding proposals for high-speed connections to the Internet2 (vBNS) Research Network. A computational science curriculum is being accumulated for use by both faculty & students. The teacher programs being designed will be used to "train faculty" to use the HPC programs, tools, and resources. The student programs are being designed to run "High School Student Programs in Computational Science" by utilizing these HPC programs, tools, and resources. The Albuquerque High Performance Computing Center is developing programs to reach Native American students in supercomputing and computational science, with emphasis on Internet technologies and other related distance learning technologies, in approximately 50 Native American serving schools.