

COE ONGOING GRANT ACTIVITY 2014-2015

NOYCE

The Northern New Mexico College (Northern) Phase1 Noyce Scholarship Program is designed to recruit, prepare and successfully induct undergraduate engineering, biology, math and environmental science majors into the secondary science teaching profession. As part of the goal of serving the north-central region of New Mexico, Northern must produce knowledgeable, highly qualified teachers. This is especially important for teachers of science, who must possess both in-depth knowledge of their field and solid teaching skills in order to be highly effective teachers. The Noyce Scholarship Program will support 44 STEM students and 33 STEM professionals (career-changers) preparing to teach science and mathematics in 7th-12th grade classrooms in northern New Mexico's high-need local school districts. The five-year program will include four cohorts of 4 students who will receive three years of scholarship support beginning in their junior year and proceeding through the completion of the certification. Three STEM professionals will receive one year of scholarship support in each of the five years of the grant. For each year of support that a STEM student or STEM professional receives, he/she will commit to teach in a high need school for two years. Budget allowance for 2015-2016 = \$235,000

Title II- Using Place-Based Education as a Best Practice for Improving Teacher Quality

The first half of the grant period is designated for the creation of a place-based professional development program that would commence in Spring 2015, and the recruitment of a place-based Learning Community made up of K-12 educators, Northern NM College faculty, and pre-service teachers enrolled in NNMC credential programs. Place-based field trips, curricular planning, and participant recruitment meetings therefore made up the majority of the grant activities conducted in Fall 2014. The second half of the grant period was designated for the implementation of the place-based environmental science professional development activities for the Learning Community established in Fall 2014. Place-based field trips, and data collection on the Learning Community participants' developing understanding of the importance of place-based education and increased Environmental Science understanding will make up the majority of the grant activities conducted in Spring 2015. The program component is titled the *Espanola Valley Environmental Education Teacher Academy* (EVEETA). Sixteen K-12 participants were enrolled in the program, including both principals of charter schools. NNMC Faculty who had originally identified interest in the professional development (and who as COE faculty were written into the Title II grant submission), are to coordinate school interactions. It is anticipated

that all the remaining budget allocations will be spent by September 2015. The majority of the remaining budget is allocated for the stipends for teachers and the NNMC Faculty. Budget allowance = \$115,000

AVANCE

Project AVANCE represents the next steps in the evolutionary path Northern New Mexico College has set for itself as a higher education institution that seeks to serve its students with relevant, high demand educational programs that will drive economic development in a “Chronic Poverty” region (USDA). The project is intended to increase the capacity of Northern New Mexico College to offer high quality graduate/ post baccalaureate certificate programs in Engineering and Education, and lead to the offering of these certificate programs as Masters level programs during the life of the grant. AVANCE will increase the capacity of the institution by adding faculty, equipment, professional development and student support, and will have a significant impact on the educational systems and economic development of our region. In the application for Title V funding to strengthen post-baccalaureate opportunities in the College of Education and the College of Engineering, Northern is responding to regional challenges. With an enrollment that is close to three-quarters Hispanic, and the expressed demands for advanced degrees in education and science, Northern begins a second century of service to its community. Both the College of Education and the College of Engineering have earned a reputation for excellence in their respective areas. Under the guidance of outstanding leadership and the support of highly qualified faculty, each of these departments is poised to build quality, affordable post-baccalaureate programs in their respective disciplines. Budget allowance for 2015-2016 = \$225,000

P'oe - AITEP

The proposed project (*P'oe* – Pathways) is covered under the American Indian Teacher Education Program from NM PED. It will increase collaboration between COE at NNMC, school districts, agencies and tribal education leaders in the development and implementation of curriculum and programming that assists districts in recruiting, hiring and placing effective, culturally relevant AI NM teachers and school administrators. Establishing and consulting with an advisory board inclusive of representatives from NMPS and all eight northern pueblos will facilitate involvement of all regional partners. Engagement with the eight northern pueblos will serve as a model for collaboration/agreements/practices with the other 14 NM tribes. AIC advisory board meetings will serve as the initial venue for collaboration. *P'oe* activities will build on existing/ proposed COE teacher preparation programs to increase the pool of AI professionals in the field, expanding student support services and incorporating curriculum emphasis on tribal languages and best practices for culturally/ linguistically diverse populations. COE programs address candidate proficiencies consistent with the knowledge, dispositions and skills required by the PED's *Teacher Competencies for Licensure Levels*. The competencies align with the *Interstate New Teacher Assessment and Support Consortium Standards*. Furthermore, our areas of endorsement are sequenced and aligned to address the NM Common

Core State Standards. NNMC tracks and utilizes a preponderance of data related to student recruitment, academic achievement and professional success and will rely on such data to guide the project. The program will provide scholarships to AI participants to enrolled in teacher preparation programs as well as graduate level programs in Educational Leadership (offered in collaboration with Adams State University in CO). In addition, training and support will be provided to school districts with high AI populations as well as training for AI paraprofessionals seeking teaching credentials. Budget allowance for 2015-2016 = \$400,000 (up to 4 yrs.).