

Agency: Department of Education and Early Development**Project Title:****Project Type: Other**

Alaska Native Science & Engineering Program (ANSEP)

State Funding Requested: \$1,000,000**House District: Statewide (1-40)**

Future Funding May Be Requested

Brief Project Description:

ANSEP is the process of expanding our reach so that we annually engage an additional 650 Middle School and 1000 high school students by 2018. By 2022 there will be 4,000 students "in the pipeline," preparing them for STEM careers. Our focus is on science and engineering learning opportunities.

Funding Plan:

Total Project Cost:	\$7,500,000
Funding Already Secured:	(\$4,500,000)
FY2015 State Funding Request:	<u>(\$1,000,000)</u>
Project Deficit:	\$2,000,000

*Funding Details:**FY14 Amount Percentage*

Federal Agencies	\$277,000	5%
Philanthropic	\$1,872,200	37%
State of Alaska Agencies	\$990,000	19%
Corporate Donations	\$932,500	18%
University General Funds	\$1,052,390	21%
	\$5,124,090	

Detailed Project Description and Justification:

ANSEP works with students starting in 6th grade and continuously through high school, into the undergraduate years, and through graduate school. In pre-college we focus on academically and socially preparing students for science and engineering BS degree programs. Nationally 26% of all students successfully complete algebra 1 prior to graduation from eighth grade. More than 80% of ANSEP Middle School Academy students achieve this milestone. Our near term objective is to build out the Middle School Academy so that we engage 650 students annually by 2018. At our current success rate, we will have 4,000 students in the pipeline by 2022. To put this in perspective, if only one half of these earn BS degrees in science or engineering it will be eight times more degrees awarded to Natives in these fields in the previous 18 years. We know we will do better than one-half. A portion of these funds will be used to begin development of APEX for algebra 1 in middle schools statewide.

To date, 304 ANSEP graduates have earned BS degrees in STEM.

Project Timeline:

This request covers FY15 and will start immediately upon receipt of funds.

Contact Name: .
Contact Number: .

For use by Co-chair Staff Only:

**\$1,000,000
Approved**

11:55 AM 5/13/2014

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

University of Alaska Anchorage/Alaska Native Science & Engineering Program

Grant Recipient Contact Information:

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Has this project been through a public review process at the local level and is it a community priority? Yes No