

A model for College and Career Readiness for Rural Alaska Schools

Developed through support by Rasmuson and Gates foundations

Implemented through a partnership with Alaska Native Science and Engineering Program

# Who Are We?

- Lower Kuskokwim School District includes Bethel and 25 other schools in surrounding Yup' ik Eskimo villages spread across an area of tundra the size of West Virginia
- Bethel Regional High School [BRHS] is a 7-12 Secondary School



Bethel is the hub of this Yukon Kuskokwim Delta region - about 1/3 of high school students

٠	Grades 7-12
٠	Student Population-about 500
٠	Alaska Native- 82%
٠	Free/Reduced lunch- 60%
٠	Transient Rate- 28%

# Address Issue

- Village schools are often unable to provide lab-based science classes and upper level math courses
- High achieving village students are completing all classes available to them prior to graduation
- Prior to this program option was Village or full 4-year boarding across state

# Focus of the Program

Meet academic needs of students from surrounding village schools while allowing students and families to be closely connected to the rich cultural experience of the village.

Culturally Grounded + Academically Strong = Post Secondary Success

### Vision

 Students will realize their academic potential through activities that lead to post-secondary goal setting and the high-level success in Math and Science needed to successful transition to the post-secondary education needed to meet those goals.

# Early Results

#### Cohort 1-graduated 2012

\*did not have a junior semester at BRHS 9 total students

- •6 completed program
- All graduated high school

#### Cohort 2- graduated 2013

8 total students

- 4 completed program
- All graduated high schol
- <u>All completers tested into college math</u> for ANSEP program
- All <u>increased percentile rank</u> on Nationally normed MAP test



Cohort 3- graduated 2014 10 total students 7 completed program All graduated from high school

- 6/7 <u>increased percentile rank</u> on Nationally normed MAP test
- <u>Average increase</u> for those that increased in the first year of the program was 10%
- Completed Pre-calculus or calculus + chemistry and physics
- 5/7 completed college math course at UAA through ANSEP as HS student

About a 65% College Going Rate Among Completers

### **Current Cohorts- Increasing Results**

Cohort 4-will graduate 2015 15 students/ 10 returned

Currently in Pre-Calc or Calc

Cohort 5-will graduate 2016

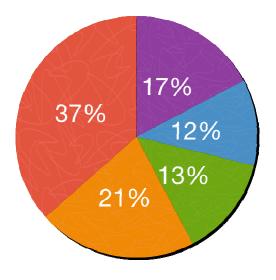
**19 Students** 



70% attrition rate 65% college going rate 95% math college ready rate

### Stem Ready Students- Where are they Now?

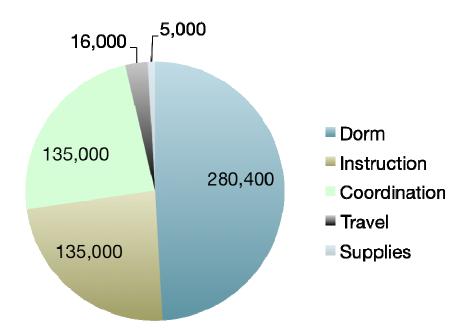




Every Cohort has seen an increase in percentile

Average National Percentile Math Cohort 1: 56% Cohort 3: 79%

### Cost



Dorm has beds for 40 Students

Model may serve up to 40 students each semester

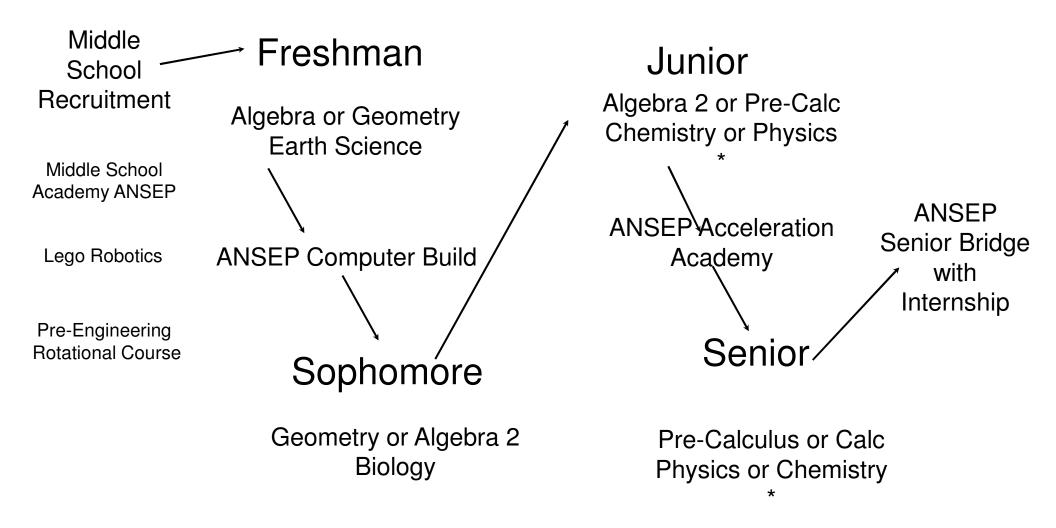
Currently READY program is accomodating 30+ for fall semester with only 1-=15 spring semester.

Spring semester dorms are dual used in Spring for other short term learning experiences: ACE academy Ejournalism

Art Camp

"Dorm" includes beds, food, and supervision

# **Description Flow Chart**



\* Tentative planned courses- team will continue to investigate most appropriate STEM
101 courses

# **Ready Model**

- Exploration activities in Middle School that communicate high expectations for traditional classwork
- Distance and site-based opportunities
- Selection process
- Semester in larger bridge setting Junior Year
- Partner/University experience
- Semester in larger bridge setting Senior Year
- University connection

