WHAT DOES A SUCCESSFUL CITIZEN SCIENCE PROJECT WITH PUBLIC SCHOOLS LOOK LIKE?

Key Components:
• Real Community problem or issue
• Useable database
• Teacher Training
• Sustainable, on-going, support
  • In classroom with students
  • In collegial cohorts with teachers
• Equipment
  • Professional Learning Community (PLC)
• Tied to curriculum and academic outcomes
CITIZEN SCIENCE EXAMPLES

GLOBE: Global Learning & Observations to Benefit the Environment

- Partnership with UAF
- Multiple protocols:
  - Atmosphere
  - Earth as a System
CITIZEN SCIENCE EXAMPLES

GLOBE affiliated
- Partnership with UAF
  - Frost tube
  - ALISON: Alaska Lake Ice & Snow Observatory Network
CITIZEN SCIENCE EXAMPLES

» **Stream team**
  - Partnership with UAA, ENRI and Dept. of Environmental Conservation

» **CEMP: Citizen Environmental Monitoring Program**
  - Partnership with Anchorage Waterways Council
CITIZEN SCIENCE EXAMPLES

- **SMORE**: Students Monitoring Ocean Response to Acidification

- **Global Snowflake Network**
CITIZEN SCIENCE EXAMPLES

- Beluga Monitoring
  - Friends of Anchorage Coastal Refuge

High Interest: Endangered Beluga
3 hours – Cold
Few sightings
Driving to sites
CITIZEN SCIENCE EXAMPLES

ADF&G

- Wood Frog
- Loons & Greebes
- Bats Monitoring
  - AK Natural Heritage Program
OUTCOME: STUDENT PROJECTS

Student Projects: An outcome of Citizen Science

- Community Events/Real Audience
  - Annual meetings
  - Conference
  - AK Science & Engineering Fair
Aligning to the Curriculum

- Anchorage School District
  - Science Kits for grades K-6
  - Courses for grades 6-12

Ecology Course

K-6 Kits are delivered to classrooms
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