Ignite. Inspire. Educate.

ARE’S MISSION IS TO TEACH STUDENTS ABOUT ALASKA’S NATURAL RESOURCES

501(c)(3) educational nonprofit

Founded in 1982
ARE Staff
Ella Ede – Executive Director
Beki Toussaint – Education Program Manager
Nick Leonard – STEM Educator

TAUGHT OVER 4,800 STUDENTS YTD IN 2019!
ARE uses a variety of tools and programs to cover the following fundamental topics:

- What are Alaska’s natural resources
- Where are they located in the state
- How do we get them
- What they are used for (products)
- What careers are associated with them (direct and indirect)
WHY ARE?

WE ARE HELPING GROW THE NEXT GENERATION OF ALASKANS

According to the U. S. Department of Commerce:

“Science, technology, engineering, and mathematics (STEM) workers play a key role in the sustained growth and stability of the U.S. economy. STEM education creates critical thinkers, increases science literacy, and enables the next generation of innovators.”
K-12 CURRICULUM

Hands-on, fun, engaging, aligned with state standards and adaptable across grade levels and disciplines

The story of Alaska's Mineral & Energy Resources

This curriculum will take students on a journey through the history, process, geography, economics, HS&E, and careers associated with Alaska's mineral and energy industries.
TEACHER TRAINING AND RESOURCE KITS

Our 1-credit course covers what our natural resources are, where they come from, how we get them, and how to teach about them in the classroom.
WE GO BEYOND TRADITIONAL STEM

NOT EVERYONE WANTS TO BE AN ENGINEER OR SCIENTIST

Crane operator
Truck driver
Facility operator
Millwright
Risk manager
Regulatory specialist
Derrickman
The story of Alaska's Mineral & Energy Resources

This curriculum will take students on a journey through the history, process, geography, economics, HS&E, and careers associated with Alaska's mineral and energy industries.

Online exploratory learning tool created in ArcGIS ONLINE that will provide teachers and students with an easily accessible resource to learn about these industries.

Economic Literacy
WHAT WE ARE WORKING ON NEXT

- Rolling out 9-12 curriculum to provide resource industry career paths
- Requesting resource education be added to the state-wide Alaska Studies course
- Partnerships with companies – such as ConocoPhillips and NANA
- More partnerships with schools and universities
- Increasing funding to add more staff
- Teaching students to teach younger students
HOW YOU CAN HELP!

- Educating Alaska kids is critical to our success as a state.
- We need students interested in industry careers.
- Support our efforts to get our curriculum into the Alaska Studies class state-wide.
- Spread the word to parents and teachers.
- Kids and teachers deserve to learn about our natural resources.
THANK YOU FOR YOUR SUPPORT!