

OneTree Alaska: A K-20 STEM to STEAM (STEM + Art) Community Collaborative

TEACHERS

Place-based Education

STEAM (STEM + Art)
Integrative Curriculum Development

Interdisciplinary Professional
Development


Making a field sketch during the STEAM Institute:
Illustrated Botanical Books, a K-12 professional
development course.


Peer teaching (6th-2nd graders)
and data collection in school
district classrooms.


Participants in the STEAM Institute:
Illustrated Botanical Books start down the
trail that inspired their book, *TRAILWALK*.


Teacher and student build a
birch tree model using one of
the teaching kits developed by
the FNSBSD Art Center.

SCIENTISTS


K-12 teachers and graduate students plant
seeds as part of the "From Seed to Tree"
service-learning course.

Climate Change Research

Citizen Science Phenology Monitoring

"Boreal Alaska: Learning, Adaptation,
Production" (BAKLAP)


Using models of the original OneTree cores,
7th-8th graders learn about cross-dating and
dendrochronology.


Boy Scouts plant birch saplings in
the Generation OneTree Long-
Term Ecological Monitoring plot.

ARTISTS

Art/Science Exhibitions

Art-making with Boreal Forest Resources

Artist Book Projects
and Classes


Artwork created by teachers,
scientists, and artists on display at
the exhibit, *Betula neoalaskana: Celebrating OneTree*.