

# Curriculum-

Applied Engineering Concepts

Biodiversity-  
Ecosystems  
Interrelationships

Energy Audit-  
Sustainability

Forestry-  
Diversity  
Symbiotic relationships  
Flora/fauna monitoring

Greenhouse-  
Soils  
Nutrient Cycling

Winter Adaptations-  
Tracking  
Bat study  
Plant adaptations

EcoHydrology-  
Stream/river study  
Invasive plants  
CSI of the Saco



# Faculty

Environmental Science

Carolyn Myers

Applied Science

Roger Wheeler

Mathematics

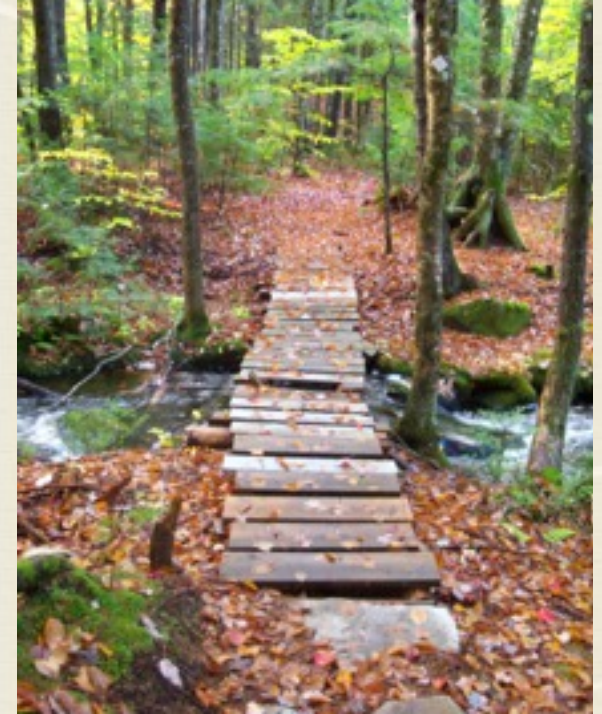
Megan Barry

Language Arts

Jotham Oliver

MESA  
25 Molly Ockett Drive  
T: 207-935-2401  
E: [mesa@msad72.org](mailto:mesa@msad72.org)  
W: <https://sites.google.com/a/msad72.org/mesa/>

MAINE  
ENVIRONMENTAL  
SCIENCE ACADEMY



Lifting the Study of  
Environmental  
Education to a Higher  
Plateau



*"The Earth is given as a common for men to labor and live in."  
Thomas Jefferson*

This program offers students with an organized opportunity to become successful academically in a experiential environmental stewardship based curriculum and develop leadership skills and potential. The objective of the program is two-fold. Firstly, to give students the opportunity to learn about their surrounding environment and be introduced to the common core standards through authentic experiences that bring standards to life. Secondly, to provide personal growth opportunities students in the skill areas of leadership and teamwork. Students will design, organize and implement activities and programs which will enhance the culture of district schools and our surrounding towns.

## WHAT A MESA STUDENT LOOKS LIKE

### **They are:**

Observant  
 Persistent  
 Curious about how things work  
 Thoughtful  
 A problem solver  
 A questioner  
 A risk taker

### **They may:**

Like to read and write about nonfiction topics; such as nature, earth sciences, technology, social studies, etc.  
 Like to design, create, and build things  
 Like to communicate through designing, diagramming, drawing, discussing, and writing  
 Have an affinity towards animals and the environment  
 Be interested in the who, how, and why of sciences  
 Like to collect and classify items like; rocks, shells, leaves, bugs, etc  
 Enjoy taking things apart



## COMMUNITY INTEGRATION

A large component of MESA is community service. Each year there is a community service requirement that students must complete. We also partner with many community organizations to further our learning experience. Some of these organizations include: Tin Mountain Conservation Center, Bryant Pond, Greater Lovell Land Trust, Eastside Bike Guide, Saco River Recreational Council, Mountain Meadow Riders, Department of Wildlife and Fisheries, PieTree Orchard, and Saco River Canoe and Kayak. These partnerships grow each year as we focus on different curriculum.



Use of bicycles as a means of transportation



Integration of STEM (Science, Technology, Engineering and Math)



Establishing a sense of place within our students