

Our Mission

Communicating Data is a school-based citizen science effort that collects drinking water samples to test for arsenic, lead, manganese, and uranium, among other toxic metals. Students learn to analyze data and communicate their findings through outreach to help improve public health in their communities.

What Our Teachers Are Saying:

The [SEPA] Project is rich and varied enough to offer lots of awesome benefits for many classes...The project is wonderful because it provides all these opportunities for teachers. It's one-stop shopping. I don't need to go into a lot of different projects to enrich my teaching and learning in my curriculum because it's available through the SEPA Project. It's very well-organized."

- Dave Thomas, Science Teacher
Belfast Area High School

What Teachers Will Get From The Program

- Guidance from MDIBL's SEPA leadership.
- A designated Scientist Partner who will help collaborate with you at the local level.
- A network of other New Hampshire and Maine SEPA teachers and scientists.
- Opportunity to participate in weekly update meetings featuring guest speakers, recent news and breakthroughs in environmental health, data tips and tricks, and more!
- Access for students and parents to Dartmouth Cancer Center's Community Medical School.
- Collaboration with PBS NewsHour to create student outreach videos.
- \$1,500 teacher stipend.
- \$500 classroom award to spend on supplies/activities related to the SEPA project.
- Resources:
 - Professional subscription to Tuva data literacy software
 - GIS mapping consulting
 - Bioassay curriculum and support
 - Data to Action Toolkit
 - Science Communication Toolkit
- Ability to help your students become citizen scientists!

What Teachers Will Be Required To Do

- Work with your Scientist Partner to plan for the SEPA project.
- Attend annual DataCom-NH workshop.
- Guide your students in collecting drinking water samples and communicating with their parents/guardians about the project.
- Engage your students in analyzing drinking water data on our arsenicdata.tuvalabs.com platform.
- Help your students share their findings with the community, using our Science Communication Toolkit as a guide.

Optional Additions

- Bioassays with planaria, duckweed,
- annelids, *Drosophila*, or lettuce seeds. Select "science communication" lessons
 - on: Legislative Advocacy
Video Production

Interested in Learning More?
Join us for an information session on
May 15 or May 27 at 3:45 - 4:30 pm.
Contact Amy Hudnor to
register at amy.hudnor@des.nh.gov
or 603-271-5986

Who You'd Be Working With

Jane Disney (PhD) is the principal investigator on the NIH SEPA grant. She has experience as a classroom teacher and research scientist. As the founder of the Community Environmental Health Laboratory, she has engaged community members, including teachers and students, as citizen scientists in collecting data to address questions about the world around them.

Amy Steckel (MPH, MBA) is the Project Coordinator of the NIH SEPA Grant. She has spent the majority of her 25-year career as a Project Manager working with not-for-profits. As the SEPA Project Coordinator, she works with Dr. Disney, helping to coordinate all aspects of this project. She coordinates teachers and scientist partners from 20 schools in Maine and New Hampshire, working with hundreds of students to collect drinking water samples each year.

Caitlin Oliver-Olsen (MS) is the Outreach Specialist for the NIH SEPA grant. She holds a Master of Ecology and Environmental Science. Her diverse background, including teaching internationally for ten years, equips her with varied and unique perspectives on how to effectively engage students, teachers, and the general public.

Communicating Data is managed by:
Community Environmental Health Lab
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Visit us on the Web: <https://www.allaboutarsenic.org/sepa/>

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National Institute for Nursing Research (NINR)
and NH Department of Environmental Services

Our SEPA Teachers

Doing fun bioassays
at the annual
DataCom Workshop!



Becoming a SEPA Teacher in New Hampshire

MDI Biological Lab's SEPA grant, *Communicating Data*, is now collaborating with the New Hampshire Department of Environmental Science (DES) to include more teachers in New Hampshire.

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