Data to Action Checklist

Starting Out

- ☐ Register for the DataCom Workshop.
- ☐ Submit all forms, including teacher agreement.
- ☐ Familiarize yourself with the All About Arsenic website.
- ☐ Attend DataCom Workshop.
- ☐ Think about where you'll integrate your arsenic project in your curriculum.

https://mdibl.org/education/courses

Introducing SEPA

When you're ready to start:

- ☐ Contact your scientist-partner.
- ☐ Send invoice for classroom award
- ☐ Purchase materials.
- ☐ Integrate the project anywhere in your curriculum.
- ☐ Develop hypotheses with your students.

https://www.allaboutarsenic.org/sepa/teachers-partners/project-management/

Sample Collection

- ☐ Prepare test kits.
- ☐ Check parent letter and permission form are current.
- ☐ Track who gets which sample # and if the samples are returned.
- ☐ Ensure all datasheet information is entered into Anecdata
- ☐ Package & ship your samples to Dartmouth

https://www.allaboutarsenic.org/sepa/teachers-partners/project-management/

Waiting for Results

Samples will take 4-6 weeks to process In the meantime:

- ☐ Introduce students to the Tuva data literacy software.
- ☐ Begin planning your community outreach.
- ☐ Connect with your scientist-partner
- ☐ Take water-related field trips.
- ☐ Study existing data.

arsenicdata.tuvalabs.com

Results

Your school's results will be uploaded to Anecdata and Tuva.

- ☐ Walk students through checking their results.
- ☐ Let families know data are available on Anecdata.
- ☐ Play with the Tuva dataset.
- ☐ Have students ask questions, create claims, provide evidence; explain using graphs.

arsenicdata.tuvalabs.com

Community Outreach

Disseminate your school's results in a public meeting, which can be your own event or part of another community event.

- ☐ Create outreach materials using your school's data and arsenic facts.
- ☐ Invite SEPA leadership and your scientist-partner.

https://mdibl.org/in-the-media/westbrook-students-science-project-makes-impact-in-augusta/

Evaluation

- ☐ Throughout the project, you will submit Quarterly Reports that help project coordinators track project progress, sample volume, and student numbers.
- ☐ Project evaluators will conduct surveys and interviews to evaluate project success.

https://www.jstemoutreach.org/article/25822

Case Study

When you've wrapped up your project, write up your process in a case study.

- ☐ Include as many details as possible.
- ☐ Attach images, worksheets, and graphs.

Future teachers will use your case studies to carry out their own citizen science projects.

allaboutarsenic.org/sepa/teachers-partners/case-studies/