Data to Action Checklist

Starting Out

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

Lab Central, www.allaboutarsenic.org, www.anecdata.org

Introducing SEPA

When you're ready to start:
- ☐ Contact your scientist-partner.
- ☐ Contact the SEPA Education Coordinators:
  - ME: Anna Farrell
  - NH: Kate Buckman
- ☐ Integrate the project anywhere in your curriculum.
- ☐ Develop hypotheses with your students.

www.allaboutarsenic.org

Sample Collection

- ☐ Prepare sample packets.
- ☐ Walk students through registering samples.
- ☐ Track who gets which sample # and if the samples are registered and returned.
- ☐ Send Anna your tracking information.
- ☐ Package & ship your samples to Dartmouth College.

Sampling Protocol, Sample Tracking, Sample Management

Waiting for Results

Samples will take 2-4 weeks to be processed. In the meantime:
- ☐ Introduce students to the Tuva data literacy software.
- ☐ Begin planning your community meeting.
- ☐ Connect with your scientist-partner and invite them to visit your classroom.
- ☐ Take water-related field trips.
- ☐ Study existing data.

Tuva, Community Planning Worksheet

Results

Your school's results will be uploaded to Anecdata and Tuva.
- ☐ Walk your students through checking their results.
- ☐ Let families know data is available on Anecdata.
- ☐ Play with the Tuva dataset.
- ☐ Have students ask questions, create claims, provide evidence, and explain their reasoning using graphs.

Tuva help documents, previous teacher's case studies, arsenic-data.tuvalabs.com

Community Meeting

Disseminate your school's results in a public meeting, which can be your own event or part of another community event.
- ☐ Pick a date.
- ☐ Advertise your meeting.
- ☐ Create outreach materials using your school's data and arsenic facts.
- ☐ Invite Jane, Anna, Kate and your scientist-partner.

Community Meeting planning worksheet

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.

Lab Central -- you will receive a link.

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.

Case study template