

Logbook

Dec 20, 2025:

Potential Ideas for Science Fair:

- Develop an aphid resistant hydroponic system
- Use different flours (rye, whole wheat, bread, etc) to investigate how they affect the acidity of my sourdough starter
- Use crochet to model past weather patterns and climate change
 - <https://elliehighwood.com/2017/06/12/climatechangecrochet-the-global-warming-blanket/>
- Do Canadian wildfires follow Benford's Law?
- Develop my own vegan cheese alternative

Dec 30, 2025

Second Beaspaw water main break. I read an interesting news article on how road salt contributed to the water main break in 2024. Can I investigate how road salt contributes to corrosion? However, an experiment investigating corrosion will likely take a long time and I do not have the time or materials.

Jan 3, 2025

Would it be possible to adapt my math IA for the science fair? My math IA already connects to coral reefs. I could crochet more hyperbolic planes to model coral reefs. However, the focus would have to be adapted to concentrate on the science, not the math.

Jan 7, 2026

Tram decided to join the club and be my partner for the project. We discussed potential ideas. She does not want to do a physics related project so we decided that the topic will be more biology and chemistry focused.

Jan 30, 2026

We decided on investigating the impacts of road salt on ecosystems and infrastructure because the topic is relevant as it connects well with a recent event– the water main break. However, it will be a research project and not an experiment.

Feb 4, 2026

Completed the Basic Project Info and Ethics and Dues Care Form 2A.

Feb 18, 2026

Completed the problem and method sections.

Feb 27, 2026

- Chose the banner photo for the project
- Completed research on the impacts of road salt on infrastructure.

March 1, 2026

- Did research on:

Logbook

- the environmental impacts of road salt
- winter de-icing policies of different Canadian cities
- alternatives to road salt.
- Data
- Conclusion