



pseudo-sushi

WHAT'S ON MY PLATE?

ESSENTIAL QUESTIONS

- How do scientists communicate their ideas so that the public can understand?
- How can visual design choices enhance a message?
- How can models demonstrate a phenomenon or system?
- How can we use DNA barcoding to examine problems in our community?
- What is seafood fraud and how can we as citizen scientists address its effects on ecosystems and human health?
- How can we use data to support an argument from evidence?

HUMANITIES DELIVERABLES

- 01 scientific poster analysis
- 02 introduction analysis
- 03 scientific poster prototype
- 04 scientific poster draft with revisions
- 05 final scientific poster
- 06 project work partner goals and reflections

OVERVIEW

Seafood fraud and seafood mislabeling are phenomena where the fish on your plate may not be what you think it is! Because of how complicated the seafood supply chain is, fish are often accidentally (or purposely) mislabeled, resulting in economic, ecological, and health effects.

In this project, you become citizen scientists and collect seafood samples from around San Diego. Using your understanding of DNA and DNA barcoding, you will determine which seafood is mislabeled. You will use your understanding of informational writing, scientific poster design, model design, and data analysis to exhibit your findings as real scientists: in a scientific poster session!

SCIENCE DELIVERABLES

- 01 DNA exploration
- 02 DNA barcoding exploration
- 03 fisheries and seafood supply chain exploration
- 04 analysis of graphs from scientific papers
- 05 results graphs
- 06 project reflection