



TALCOTT MOUNTAIN SCIENCE CENTER & ACADEMY

Homeschool Program

Topic	Marine Science
Instructor	Dr. Zacharczenko
Date	April 4, 2025

Here's some information about the activities your student did with us. Links at the bottom will help you explore further. Thanks!

What did we do?

- Introduction
- Marine Science activity packet
- Salt vs fresh water lab
- Sea turtle dichotomous key activity
- Flounder camouflage activity

How did we do it?

- Salt vs fresh water lab
 - We learned about how salt water is more dense than fresh water, using salt/fresh water, food coloring, cups, spoons, and droppers. We also used a baby carrot to represent a person swimming in the water. We figured out how much salt we needed to make them float.
- Sea turtle dichotomous key activity
 - We learned how to use a dichotomous key to answer a series of questions in order to identify sea turtle species. We learned new vocab (scute, plastron, imbricated, medial, etc), and used accurate plastic models to identify species.
- Flounder camo activity
 - Flounder are masters of disguise - and we had some fun with this adaptation! We used print-outs of flounder bodies, and magazine/calendar images, to create flounder camouflaged in odd scenarios (like in a jungle, or in space).

Where can we find out more?

- Resources for learning about sea turtles [LINK](#)
- Scientific paper about flounder camouflage [LINK](#)