

NOAA Global Science Investigator

<https://coast.noaa.gov/psc/dataviewer/#>

I plan to use this site for multiple lessons I teach throughout the year. This site provides data in an easy to understand way for even first graders. First, I will use the data on migration of various sea animals. We study the migration of birds and monarch butterflies. I would like to have the students also track marine animal migration. Second, I will use it in our study of “extreme” weather. We try to study weather based on current weather events. The site will allow the students to look back in time to some of the weather we study. Finally, when discussing Earth Day the site can be used. The site provides us with data regarding the debris from the Japan Tsunami and it’s 5 year path. Other global concerns such as temperature, carbon dioxide concentrations, and sea ice extents are also provided allowing the students to see changes over time.

This site is also easily used for cross-curricular learning. When studying migration having students map locations allows them to integrate social studies through map skills. Reading the scales and finding highs, lows, and ranges provides first graders with age appropriate math studies. Using the data to support opinions based on evidence supports our ELA curriculum.