POLAR LITERACY: A MODEL FOR YOUTH ENGAGEMENT AND LEARNING AWARD # 1906897

Co-Pls: Janice McDonnell (Rutgers University Marine & Coastal Sciences) Marissa Staffen (Rutgers University 4-H program)

Project website: https://polar-ice.org/polarexplorer-adventures/

Project Description

Our goal was to develop an Out of School Time (OST) program focused on the Polar Regions that builds data literacy skills.

Key Achievements

- We have worked with 1500+ middle school aged youth to produce an afterschool club program that uses real-time data from the NSF funded Long-term Ecological Research Program (Antarctica).
- We have learned a lot about the challenges of teaching data literacy skills and building STEM identity in underserved youth.

Audience & Settings

We have conducted Data to the Rescue: Penguins Need Our Help! in thirteen states with 1571 middle school youth in OST programs in schools, YMCAs, and 4-H Centers.

Disciplinary area:

STEM with a focus on data literacy skills using resources from the Polar Regions.

Learning environment:

Out of School Time and afterschool programs.

Access and Inclusion

We have focused our work with programs that serve youth in underserved and underrepresented communities. Among youth whose parents provided demographic data, the majority (61.3%) were members of underrepresented minority groups and a slight majority identified as female (52.9%).

This material is based upon work supported by the National Science Foundation under grant <u>2229061</u>. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.



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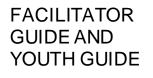






PLAYLIST OF VIDEO SCIENTIST SPOTLIGHTS HIGHLIGHTING SCIENTISTS INVOLVED IN THE PROJECT

SAMPLE OF THE EIGHT POLAR LITERACY VIDEOS CREATED BY THE PROJECT



https://polarice.org/data-to-therescueclub/facilitatorsguide/





CALL TO ACTION FOR YOUTH TO CREATE A DATA JAM PROJECT