Hawai‘i Wildlife Fund: Marine Debris Keiki Education and Outreach (MDKEO) Program

Education Literature Review – Marine Debris Resources in Hawai‘i and Beyond

Available Curricula

- University of Hawai‘i at Hilo PRISM (Partnership through Reform in Investigative Science and Math) – “Coral Reefs” curriculum, Lesson 20: Beach Cleanup (grade 4): [https://hilo.hawaii.edu/affiliates/prism/documents/Beachcleanupatalocalbeach6.5.pdf](https://hilo.hawaii.edu/affiliates/prism/documents/Beachcleanupatalocalbeach6.5.pdf)
- The Smithsonian Institute’s Ocean Planet: Pollution Solution lessons (grade 5 – 12): [http://smithsonianeducation.org/educators/lesson_plans/ocean/pollution/essay.html](http://smithsonianeducation.org/educators/lesson_plans/ocean/pollution/essay.html)

Other Resources

- Kōkua Hawai‘i Foundation’s Plastic Free Hawai‘i website: [https://kokuahawaiifoundation.org/pfh](https://kokuahawaiifoundation.org/pfh) (see link for “plastic free resources”)
- Zero Waste Kaua‘i Education Materials and Links: [http://zerowastekauai.net/educational-information--links.html](http://zerowastekauai.net/educational-information--links.html)
• Recycle Hawai‘i Educational Programs: http://www.recyclehawaii.org/educational-programs.html
• The Ocean Portal’s - Ocean Blog: https://ocean.si.edu/blog/teaching-your-students-about-marine-debris-classroom-activity
• The 5 Gyres Institute’s:
  o Video on their SEA Change program: https://youtu.be/Vfx6WSrnlqw
  o Video on Microbeads: https://www.youtube.com/watch?v=5QN6lW0K1tw

Ideas for Teacher / School Funding support:

• Kōkua Hawai‘i Foundation’s Green Grants for Schools: https://kokuahawaiifoundation.org/aina/_resourcedetail/green_grants_for_schools
• Kōkua Hawai‘i Foundation’s Fundraising Ideas for Schools: https://kokuahawaiifoundation.org/aina/_resourcedetail/green_fundraising_ideas_for_schools

Selected Peer-reviewed Journal Articles
Available upon direct request to authors, occasionally Google Scholar, and possibly via an email to kahakai.cleanups@gmail.com.

• Microplastics in beach sand:

• Local sources of marine debris:
Accumulation studies:

Foreign sources of marine debris:

Ingestion by wildlife:
- Kaua‘i (shearwaters):
• **Derelict fishing gear:**

• **Hitchhikers or “aquatic invasive species”:**

• **Other marine debris research in Hawai‘i:**

*Have any questions?* Please don’t hesitate to contact us at marine.debris.KEO@gmail.com or check out our website for more resources / opportunities at http://wildhawaii.org/.