

Marine Biology, Environmental and Oceanography Resources

1. **Castro & Huber "Marine Biology"** textbook-linked materials and PowerPoints, labs, games, readings, student work, assessments; a 1-year course for advanced HS students (seniors) & college students.
General Marine Biology & Honors Marine Biology class resources. www.lamitopsail.org
2. **9-10th grade marine biology course.** CA State approved; teaches all Biology standards with marine examples. Please visit the COSEE-West site. <http://www.cosee.net/cosee-west/index.html>
3. **Other COSEE materials.** <http://www.cosee.net/>
4. **Student and marine scientist produced bi-lingual (English/Spanish) videos on the 7 Ocean principles:**
All videos: <http://www.youtube.com/channel/UCBbHNdMYu9grDGblwhzjqsg/videos>
Introduction: <http://www.youtube.com/watch?v=-irPPkM6YnY>
The Ocean Principles: <http://www.youtube.com/watch?v=oxPsF6VfoVw>
5. **Ocean Literacy: Los Principios Esenciales de la Ciencias del Océano K-12**
<http://oceanliteracy.wp2.coexploration.org/ocean-literacy-framework>
Alignment to NGSS & CC. <https://www.marine-ed.org/ocean-literacy/ngss-alignment>
NOAA Resources: <https://www.noaa.gov/education/resource-collections>
Ocean Literacy http://www.coexploration.org/oceanliteracy/spanish/Ocean_Literacy_Guide_in_Spanish.pdf
Ocean Literacy Poster: <http://www.coexploration.org/oceanliteracy/spanish/chileoceanliteracyposter.pdf>
6. **Marine Biology Website. English and Spanish** resources for teachers, full courses
<https://lamitopsail.org/wp-content/uploads/2018/04/web-Links.pdf>
7. **Organization of Tropical Studies** <https://tropicalstudies.org>
8. **Sylvia Earle speaks to 250 Inner-city youth at Animo High School Darwin Day**
Short 10 min version: http://youtu.be/03n2l_m1p9M
Full 25 min presentation, special interviews: <http://youtu.be/Wx84zGxE8K4>
9. **Shape of Life videos:** <http://www.shapeoflife.org/>
Video clips of marine organisms, animations and behaviors by phyla. Worksheets on www.lamitopsail.org
10. **National Aquarium of Cuba.** http://www.acuarionacional.cu/pages_eng/Education.html
11. **Microplastics & other marine resources.** www.algalita.org; www.5gyres.org www.namepa.org www.AltSea.org

Contact Mark Friedman with questions, suggestions & materials to upload & improve these sites, or for an electronic copy.

IF YOU WOULD LIKE A FLASH DRIVE WITH THESE AND OTHER COMPLETE COURSES ON PHYSIO-ANATOMY, HONORS PHYSIO-ANATOMY, EVOLUTIONARY MEDICINE and resources on ECOLOGY OF MICROPLASTICS ...

SEND ME A 32 GB FLASH DRIVE AND A SELF ADDRESSED STAMPED ENVELOPE TO:

MARK FRIEDMAN, LA MARITIME INSTITUTE BERTH 73 SAN PEDRO, CA 90731

Mark L. Friedman

Marine Biology instructor: L.A. Maritime Institute

Educator & Curriculum Development: Marine sciences, Evolutionary Medicine

><(((°> ><(((°> ><(((°>

marklewisfriedman@gmail.com

Office: 310.833.6055 mark.friedman@lamitopsail.org