**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](http://www.lamitopsail.org)

1. **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>
2. **Other COSEE materials.** <http://www.cosee.net/>
3. **Student and marine scientist produced bi-lingual (English/Spanish) videos on the 7 Ocean principles:**

**All videos:** [**http://www.youtube.com/channel/UCBbHNdMYu9grDGblwhzjqsg/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>

1. **Ocean Literacy: Los Principios Esenciales de la Ciencías 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>

1. **Marine Biology Website. English and Spanish** resources for teachers, full courses

<https://lamitopsail.org/wp-content/uploads/2018/04/web-Links.pdf>

1. **Organization of Tropical Studies** <https://tropicalstudies.org>
2. **Sylvia Earle speaks to 250 Inner-city youth at Animo High School Darwin Day**

<https://www.youtube.com/watch?v=Wx84zGxE8K4>

1. **Shape of Life videos:** [**http://www.shapeoflife.org/**](http://www.shapeoflife.org/)

Video clips of marine organisms, animations and behaviors by phyla. Worksheets on [www.lamitopsail.org](http://www.lamitopsail.org)

1. **National Aquarium of Cuba**. <http://www.acuarionacional.cu/pages_eng/Education.html>
2. **Microplastics & other marine resources**. [www.algalita.org](http://www.algalita.org); [www.5gyres.org](http://www.5gyres.org) [www.namepa.org](http://www.namepa.org) [www.AltaSea.org](http://www.AltaSea.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

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