

Honors Marine Biology Course Materials

ALL ON-LINE @ <https://www.lamitopsail.org/> → Programs → Educator Resources
<https://www.lamitopsail.org/educator-resources/> (links below are off) [Many Spanish Resources](#)

Mark Friedman has made his entire Marine Biology course available for download. This material is aligned with the Castro/Huber Marine Biology Textbook. Each chapter includes text, photo, presentation and video materials. Tests and exam questions are provided. Projects, labs and links to related materials elsewhere on the internet are available for some chapters. The course has been broken down into smaller pieces to help our friends in other countries with slow internet.

[Chapter 1 – Science of Marine Biology](#) (8MB)

[Chapter 2 – The Sea Floor](#) (156MB)

[Chapter 3 – Chemical & Physical Features](#) (178MB)

[Chapter 4 – Basics of Biology](#) (121MB)

[Chapter 5 – Microbial World](#) (91MB)

- [DNA Earth Workshop PDF](#) (75MB)

- [Introduction to plankton, Narrated](#) (56MB)

[Chapter 6 – Multicellular Primary Producers – Seaweed & Plants](#) (220MB)

[Chapter 7 – Invertebrates](#) (314 MB)

- [Crustaceans Powerpoint](#) (64MB)

- [Hydra Powerpoint](#) (26MB)

- [Echinoderms Powerpoint](#) (83MB)

- [Cnidarians, Porifera and Platyhelminthes](#)

[Powerpoint](#) (74MB)

- [Costa Rica Insect Photos](#) (56MB)

- [Thailand Mollusca Photos](#) (21MB)

[Chapter 8 – Marine Fish & Vertebrates](#) (357MB)

[Chapter 9 – Marine Reptiles, Birds & Mammals](#) (351MB)

- [Costa Rica Aves / Birds jpg zip](#) (52MB)

- [Costa Rica Mammals jpg zip](#) (28MB)

- [Manatees in Action avi](#) (34MB)

- [Marine Birds and Mammals in the Polar Seas](#) (22MB)

- [Pig Dissection Lab Material](#) (134MB)

[Chapter 10 – Introduction to Marine Ecology](#) (97MB)

[Chapter 11 – Between the Tides](#) (47MB)

[Chapter 12 – Estuaries](#) (7MB)

- [Estuaries 1 Powerpoint](#) (29MB)

- [Estuaries 2 Powerpoint](#) (75MB)

- [Estuaries and Coasts Powerpoint](#) (49MB)

- [Estuaries General Powerpoint](#) (57MB)

[Chapter 13 – Kelpforests](#) (21MB)

[Chapter 14 – Coral Reefs](#) (187MB)

[Chapter 15 – Life Near the Surface](#) (4MB)

[Chapter 16 – Ocean Depths](#) (19MB)

[Chapter 17 – Resources from the Sea](#) (77MB)

[Chapter 18 – Human Impact on the Marine](#)

[Environment](#) (219MB)

- [Human Impacts on Oceans Part 1 Powerpoint](#) (32MB)

- [Human Impacts on Oceans Part 2 Powerpoint](#) (22MB)

- [Marine Pollution & Plastics Consumption Student](#)

[Video](#) (37MB)

- [Los Angeles Clean Water Efforts Powerpoint](#) (21MB)

[Chapter 19 – Ocean & Human Affairs](#) (17MB)

Additional Educational Materials

Articles

- [Marine Biology, Science, Oceanography and Evolution](#)
- [If You Eat Seafood, You're Probably Eating Plastic – NMEA](#)
- [How can I reduce ocean plastic pollution?](#)
- [Microplastics Station](#)
- [LAMI Youth Learn and Expand Outreach on Microplastic Education](#)

Powerpoint

- [Animo HS Marine Biology/Environmental Research](#)

Videos

- [Ocean Principle Introduction \[English\]](#)
- [The Ocean Principles](#)
- [Bill Nye: Ocean life](#)

Activities

Publication

- [Marine Biology Brochure](#)
- [Students Taking on Microplastics](#)
- [Certificate of Appreciation](#)
- [Ocean Trash Poster](#)
- [Things You Can Do](#)
- [6 Degrees](#)

- [Talking Trash & Taking Action \(Post Card\)](#)

- [50 Marine Essential Career Guide](#)

- [Marine Careers](#)

- [Estuary Principles and Concepts](#)

Lesson Plans

- [Comprehensive, Web-based Marine Debris STEAMSS Curriculum](#)