

Marine and Aquatics I Library Guide

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Introduction:

Marine and Aquatics I is a course that requires students to create research based projects. The following REFERENCE RESOURCES include a variety of digital and print materials to assist you in the creation of your projects.

Target audience:

Mrs. Taylor's students
9th-12th grade

Reference Resources

e-Reference Book

1. Careers in Science & Engineering – ACCESS THROUGH THE SALEM PRESS REFERENCE LIBRARY LINK IN THE LEARNING RESOURCES

<https://search.follettsoftware.com/metasearch/ui/36089>



a. Annotation –Designed for students with STEM careers in mind, this title explores careers in science and engineering including MARINE sciences.

b. Citation- Shally-Jensen, Michael. *Careers in Science & Engineering*. Salem Press, a Division of EBSCO Information Services, Inc., 2015.

2. *Encyclopedia of Marine Science* –

<https://search.follettsoftware.com/metasearch/rest/v2/go/36089/details/125594>

a. Annotation- Vertebrates and invertebrates are well-represented here...a first-rate undergraduate or early graduate classroom text and also an advanced reference for the general readership.

b. Citation - Nichols, C. R. and Williams, R. *Encyclopedia of Marine Science*. Facts on File, 2017

b. Print Reference Books – on the shelf in the library

1. ***Encyclopedia of Careers and Vocational Guidance*** -

<https://search.follettsoftware.com/metasearch/rest/v2/go/36089/details/116621>

a. Annotation – A reference for exploring and planning a career, with facts and current statistics about career fields and industries.

b. Citation – Ferguson Publishing. *Encyclopedia of Careers and Vocational Guidance*. Fergusons, an Infobase Learning Group, 2018.

2. ***UXL Encyclopedia of Biomes***

a. Annotation – Contains entries that provide overviews of twelve of Earth's major biomes, providing information about the formation, climate, elevation, growing season, plants, animals and endangered species, food webs, human culture, and economy of each ecological community.

b. Citation - Weigel, Marlene, and Julie Carnagie. *U·X·L Encyclopedia of Biomes*. U·X·L, 2000.

3. ***UXL Encyclopedia of Water Science, Vol. 1-3***

a. Annotation – Three volume set that explores the basics of water science, oceans and salt water, fresh water, estuaries and wetlands. ice, weather, and climate.

b. Citation – Lerner, K L., et al. *U·X·L Encyclopedia of Water Science*. U·X·L : Thomson/Gale, 2005.

c. Databases - ACCESS THROUGH THE LINK IN THE LEARNING RESOURCES

<https://search.follettsoftware.com/metasearch/ui/36089>

1. **MAGNOLIA**

a. Annotation – MAGNOLIA is an online research database that provides students and researchers in Mississippi access to reliable, academic peer-reviewed journals and curated age-appropriate content not available through public searches. Provides access to Ebsco databases such as **Academic Search Premier**, MAS Ultra School Edition, History Reference Center, Literary Reference Center, Business Source Complete, and as well links to open-access resources. MAGNOLIA is the most comprehensive research tool available to students.

b. Citation –Magnolia. (n.d.). Retrieved May 1, 2022, from <https://magnolia.msstate.edu/databases?grade=high>

2. **Encyclopedia Britannica** –

a. Annotation - Online encyclopedia that provides essential Information on thousands of persons, places, and things. Each article includes related resources such as images and videos; linked articles, primary sources, e-books, and external websites.

b. Citation - *Access Britannica School*. Britannica School. (n.d.). Retrieved May 1, 2022, from <https://school.eb.com/levels/high>

d. Online Resources

a. Journal Articles

1. “North America’s Marine Protected Areas” by Marshall Daly.

a. Annotation – The article discusses marine protected areas in North America. It includes four videos, quick facts, and links to related articles.

b. Citation: Daly, M. (2022, August 1). *North america’s marine protected areas*. National Geographic. <https://education.nationalgeographic.org/resource/north-america-marine-protected-areas-gallery>

2. “How Marine Protected Areas Help Fisheries and Ocean Ecosystems” by Margaret Cooney, Emma Shapiro, and Miriam Goldstein

a. Annotation: This article discusses how MPAs are “powerful tools to rebuild, protect, and sustain fisheries and ocean ecosystems.” Included in the article are graphs with U.S. and regional MPA information.

b. Citation: Cooney, M., Shapiro, E., Goldstein, M. (2019, June 3). *How marine protected areas help fisheries and ocean ecosystems*. Center for American Progress. <https://www.americanprogress.org/article/marine-protected-areas-help-fisheries-ocean-ecosystems/>

3. “Ocean Jobs: A Marine Careers List for Water Lovers”

a. Annotation: The article provides descriptions of aquatic science careers.

b. Citation: Unity College. (n.d.). *Ocean jobs: A marine careers list for water lovers*. <https://unity.edu/environmental-careers/ocean-jobs-a-marine-careers-list-for-water-lovers/>

b. Websites

1. <https://www.bls.gov/ooh/>

a. **The Occupational Outlook Handbook** is a free resource from the U.S. Department of Labor. It is the government’s premier source of career guidance featuring hundreds of occupations.

3. <https://marineprotectedareas.noaa.gov/>

a. **Marine Protected Areas** is a website about MPAs. This website may help you with your MPA project.

5. <https://mpatlas.org/>

a. **The Marine Protection Atlas** integrates science-based assessments that measure progress toward protecting 30% of the global ocean in fully and highly protected areas by 2030.

c. Videos

1. “What is a Marine Protected Area (MPA)?” - <https://oceanexplorer.noaa.gov/facts/mpas.html>
 - a. Annotation: NOAA Office of Exploration and Research presents information about MPAs in Canada and the United States discovered during the Deep Connections 2019 expedition.
 - b. Citation:
2. “9 Careers in Marine Biology You Should Know About” - <https://youtu.be/INGCrSJs3a4>
 - a. Annotation: Eli Myron describes marine and aquatic careers he has researched or has some experience working in. He says, “You don’t necessarily need a ‘marine biology major’ for many of these ocean jobs, as they come from a variety of backgrounds. ***Use the suggestions on the right to discover more videos.
 - b. Citation: Myron, E. (n.d.). *9 careers in marine biology you should know about*. YouTube. <https://www.youtube.com/watch?v=INGCrSJs3a4>

3. OHS Library YouTube Channel Playlist “Taylor”
<https://youtube.com/channel/UCgCX2OuegYh6jbNKCG8-G9A>

*As I find videos that apply to your course, I will add them to the playlist.