



Marine Science Club

Suggestions for meeting topics, activities, and resources about careers and career paths

Topic: Introduction to Marine Science

Possible Focus Topics for a Meeting

- What is marine science • Areas of study within marine science • Career opportunities • How marine science has changed throughout history • Technologies used in marine science • How advances in marine science impacted human society • Academic and professional paths in marine science • The future of marine science

Possible Meeting Activities

- Invite a marine scientist to be a guest speaker • Create polls or quizzes about marine science for the members • Choose a marine science topic to explore as a club • Create art projects inspired by marine science (could be auctioned as a fundraiser) • Interview many different marine scientists with different backgrounds and paths

Useful Resources to Explore

- *The Sea Around Us*, by Rachel Carson, Ann H. Zwinger • *The Ocean of Life: the fate of man and the sea*, by Callum Roberts • *Sensuous Seas: Tales of a Marine Biologist*, by Eugene H. Kaplan

Things to do & Service Project Ideas

- After doing research and interviews create a "guide to becoming a marine scientist" for younger students • Make and record a presentation about marine science for younger students • Have a art show featuring art inspired by marine science • Create a reading list or list of videos you found helpful or informative to suggest through social media posts

Topic: Internships

Possible Focus Topics for a Meeting

- What are internships • When is the best time to seek an internship • How to find out about opportunities • How to select the right program/internship for you • How to create a strong application package

Possible Meeting Activities

- Invite a speaker or group of speakers to talk about their internship programs • Invite a speaker to talk about creating application materials (resumes, cover letters, etc) • Invite an older student or faculty member to talk about their internship experience • As a group, do online searches for internships and create a list to share with everyone

Topic: Graduate School

Possible Focus Topics for a Meeting

- How do you know if grad school is right for you • How to find/pick the right program • How to find and select the right advisor and committee members • How to compile a strong application for graduate school • What do you need to know before entering a graduate program

Possible Meeting Activities

- Invite a speaker or group of speakers to talk about their graduate programs • Invite a speaker to talk about creating application materials (resumes, cover letters, etc) • Invite an older student or faculty member to talk about their graduate school experience • As a group, do online searches for graduate programs and create a list to share with everyone

Topic: Careers

Possible Focus Topics for a Meeting

- How do you know if marine science is right for you • How to find/pick the right career • How to decide on an academic path • What do you need to know before deciding on marine science as a career

Possible Meeting Activities

- Invite a speaker or group of speakers to talk about their career paths and choices • Invite an older student or faculty member to talk about their experiences as a marine scientist • As a group, do online searches for different career options and paths • create a action plan to help members narrow down on a academic and career path

Things to do & Service Project Ideas

- arrange tours of places members might one day work (aquariums, environmental consulting firms, ship yards, research labs on campus, etc) • build a digital resource to help younger students learn about marine science related careers • organize a marine science "career night" by inviting different organization to come highlight careers within their organizations

Topic: Pursuing Marine Science Even If Your University Doesn't Have a Dedicated Marine Science Degree Program

- Possible Focus Topics for a Meeting**
- What courses are beneficial
 - what are some great extracurricular activities that can be helpful
 - What are the best ways to build networks and make connections
 - Best ways to find mentors
 - Find and learn basic skills that can be applied within marine science careers
 - Find information on summer opportunities that can help you achieve your goals
- Possible Meeting Activities**
- Invite a speaker or group of speakers from your campus or different universities to talk about their programs
 - Invite speakers that got degrees from non-marine science programs that do work in marine science to talk about their paths and offer suggestions

Topic: Becoming a Women in Science

- Possible Focus Topics for a Meeting**
- What current roles do women play in science careers
 - What does being a women in science look like today, 10 years ago, 30 years ago
 - What are important considerations for women who are interested in careers in science
 - What are the benefits of being a women in science
 - What maybe some interesting marine science careers that women will play a key role
- Possible Meeting Activities**
- Invite a speaker or group of speakers made up of women in science (from different stages of their careers)
 - Listen to LUMCON's "Women in Science" interviews (<https://lumcon.edu/women-in-marine-science/>) and talk about them as a group
 - Create an "action plan" to help young girls determine an academic or career path
 - identify some movies from different eras that depict women in science careers, watch them, then discuss the movies (examples: Sister Kenny (1948), Picture a Scientist (2020), Arrival (2016), Hidden Figures (2016), Contact (1997))
- Useful Resources to Explore**
- *Blazing the Trail: Essays by Leading Women in Science* by Emma Ideal, Rhiannon Meharchand
 - *Women in Science: 50 Fearless Pioneers Who Changed the World* by Rachel Ignatofsky
- Things to do & Service Project Ideas**
- Organize or participate as a club in a "Girls in STEM" event