### 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 scientists
- 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
- 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

#### Things to do & Service Project Ideas
- Organize a marine science "career night" by inviting different organizations to come highlight careers within their organizations
### Topic: Pursuing Marine Science Even If Your University Doesn't Have a Dedicated Marine Science Degree Program

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<tr>
<th>Possible Focus Topics for a Meeting</th>
<th>Possible Meeting Activities</th>
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<tr>
<td>• What courses are beneficial • what are some great extracurricular activities that can be helpful • What are the 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</td>
<td>• 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</td>
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### Topic: Becoming a Women in Science

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<td>• 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 immerging marine science careers that women will play a key role</td>
<td>• 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 (<a href="https://lumcon.edu/women-in-marine-science/">https://lumcon.edu/women-in-marine-science/</a>) and talk about them as a group • Create an &quot;action plan&quot; 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))</td>
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<th>Useful Resources to Explore</th>
<th>Things to do &amp; Service Project Ideas</th>
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<td>• 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 Ignotofsky</td>
<td>• Organize or participate as a club in a &quot;Girls in STEM&quot; event</td>
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