2019 SeaGlide Presentation Guide

Due by 5:00 p.m. on 3/4/2018: **Submit to: SeaGlideNotebooks@gmail.com**

General Notes:

1. It is expected that the presentation was written and developed only by students and is original and unique for this competition year. Presentations with substantial portions copied from previous years' submittals will have major point deductions applied.

2. When submitting your presentations to **SeaGlideNotebooks@gmail.com** please put the school's ID and name in the email subject line (i.e. "HSG-2019-XX SeaGlide Presentation Submission for John Paul Jones High School").

3. File Name: The File name for your school's presentation should start with your school's SeaGlide School ID Number and should follow this convention: HSG-2019-##-YOUR SCHOOL NAME-Presentation.pptx

NOTE: The file name must contain the official school name (matching how you submitted to the competition), not the team name.

4. File Size: Files should be limited to 5 MB.

5. File Type: Files should be submitted in Microsoft PowerPoint or Google Slides.

6. Any teams that violate any of the above rules will have points deducted.

Presentation: 7 - 8 Minutes, Questions and Answers: 5 - 6 Minutes

General Overview/Purpose of Presentation:

The expectation of the presentation is to discuss your process and outcomes of designing your SeaGlide. It is an adjunct to the professional commercial. Your goal is to demonstrate the knowledge you learned throughout this process by showing your documentation of obstacles and how you overcame them throughout the design process.

The presentation will immediately follow the professional commercial.

Section		Max Pts	Details
I.	**Introduction**		
	Introduction	**1**	The introduction should include the team name, School ID#, school name, and team members.
II.	**Purpose**		
	Clearly state the purpose.	**4**	This section should clearly state the purpose of the SeaGlide. The statement of purpose should be directed for the target audience.
III.	**Design/Engineering**		
	Description of the process used to refine the design and manufacture the final product.	**10**	It is important to demonstrate that a scientific process was used in the design of the team's SeaGlide. Highlight any alternate designs that were considered and reasons for accepting or rejecting them.
	Application of science and engineering concepts in the design.	**10**	It is also important to apply science and engineering concepts into the design with explanation of how these concepts will impact the performance of the SeaGlide.
	Discussion on what design modifications were considered to enhance SeaGlide performance and why they were or were not incorporated.	**10**	Discussion on modifications considered to enhance SeaGlide performance and why they were or were not incorporated. Use of drawings and calculations encouraged. **NOTE:** The team does not have to have implemented any design modifications, just considered them.
IV.	**Obstacles**		
	Discuss team challenges and contributing factors to success.	**5**	Discuss the challenges faced and how they were overcome. Discuss the most important lessons learned. Discuss the most important factors contributing to the team's success.
V.	**Data**		
	Provide data that supports the claims.	**10**	Should discuss experimentation, pool testing, and/or calculations that were completed to prove that the SeaGlide could complete the mission. The data should clearly show why the final design was chosen.

VI.	**Closing Remarks –**		
	Summary of Innovations/Sales Pitch	**5**	Clearly summarize why your company should be chosen.
VII.	**Content**		
	Content/Organization	**5**	Should progress in a logical manner; use effective transitions to move from one topic to another. Should be persuasive in nature.
VIII.	**Question/Answer**		
	Answer questions regarding your SeaGlide and one directed question regarding naval engineering principles	**5**	The purpose of the session is for the judges to have an opportunity to ask clarifying questions, in-depth questions, or thinking questions. We are looking to see how well you understand your project, the process you used to get to the end product, and to demonstrate an understanding of how and why changes were made throughout the design process. Be prepared to discuss any of the following Naval Engineering Principles and how they impact the SeaGlide: 1. Hydrodynamics 2. Buoyancy 3. Electrical circuits, electronics, and electromechanics 4. Buoyancy engines
IX.	**Quality**		
	Overall Quality	**5**	• Fluent, clear, audible delivery • Proper grammar and language use • Use of visual aids • Confident, direct, and animated • Teamwork
	Total	**70**	