

2018 International SeaPerch Challenge

Presentation Information Sheet (Team Edition)



The Engineering Notebook top scoring teams from each division (Stock Class Middle School, Stock Class High School, and Open Class) will present before a panel of judges at the 2018 International SeaPerch Challenge.

Presentation Guidance and Expectations are as follows:

1. Presentation Time Limits and Overall Format

- 1.1. Each team will be given up to 10 minutes to give an uninterrupted oral presentation followed by questions from the judges (up to 5 minutes).
- 1.2. The team introduction is included in the 10 minute presentation.
- 1.3. Judges may acknowledge the team members during the introduction, but they will not stop the presentation to ask questions.
- 1.4. Presenters should speak clearly and at an appropriate volume.
- 1.5. Each team will be asked the same questions. However; additional questions may be asked by the judges for clarification or to solicit additional information.

2. Required and Non-permissible Material

- 2.1. Teams must bring their SeaPerch ROV and supporting equipment (if any) to the presentation.
- 2.2. Teams must bring their original Engineering Notebook to the presentation.
- 2.3. Teams may **not** bring posters, trifold boards, banners, or other display media to the presentation.
- 2.4. Technology, i.e. video, PowerPoint or slide presentations, computer animated loops, or other technology displays are not allowed.
- 2.5. The focus is to be on the team members presenting live.

3. Presentation Expectations

- 3.1. All team members must attend and participate in the oral presentation. If a team member cannot attend or if there are circumstances that prohibit a team member from participating in the oral presentation or in answering questions the Engineering Notebook, David Young must be notified in advance of the presentation.
- 3.2. Each team member should introduce themselves and briefly state their main contribution related to the SeaPerch project.

4. Presentation Content

- 4.1. Teams may use any presentation type they choose as long as all rules and guidance outlined herein are followed. Presentation type examples are as follows: an informative presentation, an interview wherein one team member interviews the other team members, a skit, or however the team chooses to spend their 10 minutes. The presentation should be well organized and have a smooth flow.
- 4.2. The presentation does not have to be, and will be better if it is not a page-by-page presentation of the Engineering Notebook.
- 4.3. Content should include, but is not limited to (listed in no certain order):

4.3.1. Design objectives

4.3.2. Project summary

4.3.3. The design process should be fully addressed including but not limited to:

4.3.3.1. The design challenge(s)

4.3.3.2. Design iterations

4.3.3.3. Fabrication techniques and processes (how the team built or modified the SeaPerch based on the design)

4.3.3.4. Design tradeoffs made in consideration of the two unique pool events

4.3.3.5. Recommendations for future design modifications

4.3.4. How each team member contributed to the project

4.3.5. How scientific and engineering principles applied to the design, testing, and overall results

5. Interview Questions

Judges will ask up to five questions relating to Engineering design, process, engineering principles, and the pool challenge. Judges may also ask for clarification to statements made during the presentation, but they will wait until the presentation is complete.