

2021 MARYLAND REGIONAL SEAPERCH CHALLENGE

United States Naval Academy, Virtual Competition for Middle/High Schools

Hosted by the United States Naval Academy, sponsored by the Office of Naval Research

- MARCH 7, 2021:** Deadline to pre-register teams at usna.edu/stem
MARCH 21, 2021: Deadline to submit Technical Design Report, Appendices, Optional Submissions
APRIL 10, 2021: Team Interview

For the Maryland Regional SeaPerch Challenge virtual competition hosted by USNA, teams will be required to complete two scored components similar to the 2021 International SeaPerch Challenge: **Technical Design Report** and **Team Interview**. The report should describe the team's approach to designing a novel SeaPerch ROV designed for the mission course OR a real-world application, and must include **Appendices for Budget and Fact Sheet**. Teams unable to build a SeaPerch this season may describe their *planned* approach to a novel SeaPerch ROV design. All participating teams will present before a panel of judges in a scheduled team interview. It is expected that a limited number of participating teams will be selected to enter the 2021 SeaPerch International Challenge.

Additional information will be provided by email to registered teams. After submission of Technical Design Report by email to usnastem@usna.edu by deadline of March 21, 2021 (by midnight), teams will be contacted to schedule Team Interviews which will be held by appointment in a virtual meeting in 30-min time slots on April 10, 2021.

Detailed instructions for required components, including instructions, templates, judging rubrics, interview questions and expectations are available at www.seaperch.org at this [link](#). Rubric and scoring will be similar to the 2021 SeaPerch International Competition but may be modified by USNA.

TEAMS WILL BE EVALUATED ON THE FOLLOWING:

- **TECHNICAL DESIGN REPORT (submit by March 21 to usnastem@usna.edu)**
Detailed instructions for report can be found at this [link](#).
 - **Appendix A: Budget (required)**
 - **Appendix B: Fact Sheet (required)** Template available at this [link](#).
- **TEAM INTERVIEW (required, April 10, virtual)**
Detailed instructions and questions for interview can be found at this [link](#).

OPTIONAL SUBMISSIONS (NOT INCLUDED IN FINAL SCORE):

Teams are encouraged to submit any or all of the following optional items

(submit by March 21 to usnastem@usna.edu):

- USNA SeaPerch Math Challenge
- USNA Creativity and Engineering Review
- USNA Engineering Design Challenge: Build an Oyster Reef
- Other materials to demonstrate team accomplishments, such as videos of ROV performance, team spirit videos, community outreach projects