



## 2024 SeaPerch 6-12 Grade Regional Competition

*Sponsored by the Illinois Technology Student Association and the  
Technology Education Association of Illinois*



[SeaPerch](#) is an underwater robotics program. Students and teachers are equipped with the resources they need to learn about basic science and engineering concepts, tool safety, technical applications, problem-solving and teamwork skills in an exciting and hands-on way.

April 4 🌀 The Chateau 🌀 1621 Jumer Driver, Bloomington 61704  
Starts at 10:00 AM  
Lunch  
Championship Bracket

### Agenda:

- Open Pool from 10:00-10:45 AM
- 10:45 AM Blind draw to establish brackets
- 11:00 AM Teams will run (Team 1 vs Team 2, Team 3 vs Team 4, etc.) until we complete the bracket
- 12:30 Lunch
- 1:15 Semi-Finals/Start of Double Elimination
- Finals
- Awards (1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>)
- Event will conclude at the latest by 4:00 PM

### Specifics:

- **Must be a TSA chapter/school OR teacher must be a TEAI member in good standing**
- Free event for students and teachers, lunch provided
- Up to three (3) teams per school, limited to four students per team
- Each team will navigate through three, staggered 3' x 3' squares that will be sunk at the bottom of the pool. Once through the third square, teams will need to navigate back through the squares and come to rest at the original starting location. No round will last longer than five minutes. Scoring is based on fastest time OR how many squares are navigated.
- Must use [SeaPerch ROV Kit](#)/ RoboNation Components
- Registration for the event can be found at <https://forms.gle/ScwHE1i9Nwu6kYYC7>.

- Deadline to register is Friday, March 29 (this deadline is needed for the food/beverages)

**Questions:**

- Can a team use/change props from what comes from SeaPerch/RoboNation? **No. However, an additional three props (maximum of six per SeaPerch) may be used.**
- Can teams add additional motors to the SeaPerch beyond the three that come with the kit? **Yes, teams may add up to three additional motors (maximum of six per SeaPerch).**
- How long will the tether cable need to be? **The pool area is 20' wide (this will be divided into half; the depth of the pool is approximately 4').**
- What are the dimensions for where each will stand? **Teams will be restricted to a 4' x 4' area to navigate their SeaPerch.**
- How is the winner of each head-to-head match determined? **First by time, second by how many squares are navigated.**

For questions, please feel free to contact: Dr. Chris Merrill, Illinois State University, [cpmerri@ilstu.edu](mailto:cpmerri@ilstu.edu).

