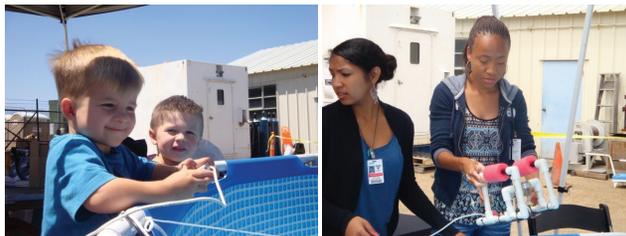
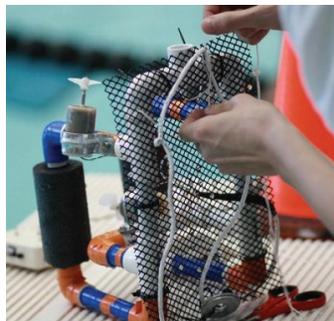
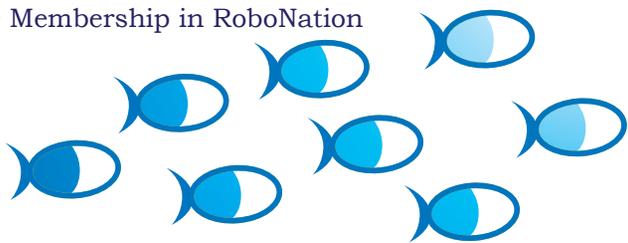




# Features of the Program

- Kits are easily accessible and cost effective
- Curriculum-based program mapped to national STEM standards and new Common Core standards
- Replacement parts available to order
- Scalable to fit your individual educational goals
- Training for mentors/educators
- Technical Director available to answer questions and provide support
- Annual National SeaPerch Challenge for teams from around the country to compete
- Resource and Activity Guide for educators with lesson plans and activities
- Nationwide network of users growing daily
- Membership in RoboNation



*In 2011, SeaPerch, named the signature K-12 education outreach program of the Office of Naval Research, joined AUVSI Foundation-managed programs including RoboNation, RoboBoat, RoboSub and RobotX.*

## About the AUVSI Foundation

Established by the Association for Unmanned Vehicles Systems International (AUVSI), the AUVSI Foundation is a non-profit organization that provides students with hands-on robotics activities designed to fuel and sustain their interest in science, technology, engineering and math (STEM).

Each year the AUVSI Foundation offers a series of educational programs as well as robotics competitions that allow students to apply their STEM education outside the classroom. The experience is ideal preparation for entering the workforce, which is why participating students are frequently offered coveted internships and employment opportunities while still in school. Since the competitions began in 1991, more than \$1.4 million has been awarded in prize money.



VISIT [www.seaperch.org](http://www.seaperch.org) and learn more!

[www.auvsifoundation.org](http://www.auvsifoundation.org)



## SeaPerch Underwater ROV Program

Generating interest in STEM through hands-on, curriculum-based activities



## What is SeaPerch?

- SeaPerch is an educational tool
- SeaPerch is fun and hands-on
- SeaPerch is a curriculum
- SeaPerch is a "Challenge"
- SeaPerch trains teachers
- SeaPerch can change kids' minds about STEM
- SeaPerch can help find the next generation of STEM professionals





## Frequently Asked Questions

### How do I get kits?

Visit [www.seaperchkits.org](http://www.seaperchkits.org) to order kits online with a credit card or submit a purchase order as a download with your order online. You will receive an acknowledgement when your order is approved, and the tracking number when it ships.

### Can I buy just one kit?

Yes. Visit [www.seaperchkits.org](http://www.seaperchkits.org) or [www.seaperch.org](http://www.seaperch.org) and you can order just one kit. You may need a tool bag as well if you don't have all of the tools you will need. A list of the tools in the tool bag can be viewed on the kit order page.

### When can I begin?

You can start as soon as you order the kits and we ship them out. There is usually a lead-time of two-to-three weeks.

### What is the appropriate age group for SeaPerch?

Students from grades 6 through 12, and even college students, can benefit from the program as it is easily scalable for these age groups.

### Who can do this?

Schools, either as part of a curriculum or an after school club or activity, clubs such as 4-H, Boy Scouts and Girl Scouts, Boys and Girls Clubs and homeschoolers can all participate. In fact, just about any group of middle or high school students gathered with an interest in STEM can participate.

### Is there a curriculum?

There is a standard build curriculum found on [www.seaperch.org](http://www.seaperch.org) under "Build." The curriculum maps to the new Common Core standards for STEM for middle and high school students. Activities and lesson plans are available in the Resource and Activity Guide under "Teach."

### Can I design or add enhancements?

We recommend using the standard build initially to teach the basic concepts, but the design is only limited by the students' imagination. Purchasing underwater cameras, and sensor suites can enhance the vehicle. Information is available on the website.

### How long does the build take?

The build can be scaled to meet your learning outcomes and schedule. If you wish to simply build the vehicle, you can do that in a few days. If you wish to incorporate curriculum and activities and teaching units into the build, the time frame extends. SeaPerch can be tailored to your available time. Some schools take an entire semester to build the vehicles and others make it strictly an afterschool activity taking from several months to an entire school year, depending on what they incorporate into the program and their time limitations. Summer camps often build them in several days and then incorporate other activities into their program.

### What does it cost?

Visit the website for current pricing.

### Do I need training?

We offer online training featuring video segments of the entire build on the website. There is an option to attend trainings at one of several sites around the U.S. when offered. Check the events calendar on the website. Should your budget permit, a trainer could potentially come to your location. Email [info@seaperch.org](mailto:info@seaperch.org) for more information.

### What if we don't have a pool?

Often, local hotels or YMCA's or colleges allow access to their pools for your testing and competitions, once you explain your mission. An inflatable INTEX above-ground inflatable pool is also an option.

### I would like to do this, but have limited funding.

Through the Office of Naval Research, there may be some kit grants available to get you started. There is a short grant application on the website for up to ten kits and one tool bag. Grants are available as funding levels permit. The website also has other suggestions for sources of funding and ideas to help you fundraise locally.

### What if I have a sponsor willing to help me fund part or all of the kits I need?

This will help us bring SeaPerch to an even larger audience. Your sponsor can purchase the kits on the website with a credit card, and request that they be shipped to you.



### Do I need tools?

There is a tool bag, which provides everything you will need to build the SeaPerch. A list of the parts included can be found on the website.

### How many kits do I need per student?

We recommend two-to-four students per kit, and one tool bag per five-to-ten individual SeaPerch kits.

### How do we compete?

Check the events calendar on the website for local and regional SeaPerch challenges. Although all areas of the country are not yet covered by a competition, we continue to grow. If a SeaPerch Challenge is not nearby, consider starting one. Information on starting a Challenge is available on the website.

### What do we need for a successful program?

A committed champion willing to advocate for the program. A group of educators, principals and an administration willing to provide support, a university/ college/ community college partner, local industry support, community volunteers/ mentors and government involvement when possible.