

2017 ROV SUMMER CAMP!

SIGN UP TODAY!

BUILD. COMPETE. EXPLORE.
July 22-23 | July 29-30 | Aug. 5-6

Wisconsin Maritime Museum - Downtown Manitowoc
www.wisconsinmaritime.org/learning-programs/rov-summer-camp

AGES 12-14

IN THE CLASSROOM



***Hands-on STEM (Science, Technology, Engineering, & Math) Education**

***Learn & Apply Physics and Electrical Engineering principles**

***Collaborative Problem-Solving & Team ROV Building**

***Compete against other camp teams**

ON THE WATER

***On-the-water experience aboard Skyline Princess tour boat**

***Deployment of professional-grade ROV over shipwrecks in the proposed Nat'l Marine Sanctuary**

***Conduct Water Quality Testing**

***Work directly with maritime archaeologists, engineers & related STEM professionals**



Presented by:



Smithsonian Affiliate



GREEN BAY PACKERS FOUNDATION

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ROV Summer Camp

BUILD. COMPETE. EXPLORE. - 2017 ROV Summer Camp Sessions Announced!

- ▶ [Overnight Programs](#)
- ▶ [Dinner and Breakfast](#)
- ▶ [Scout Programs](#)
- ▶ [School Programs](#)
- ▶ **[ROV Summer Camp](#)**
- ▶ [We All Live on the Water: Teachers as Watershed Leaders](#)
- ▶ [Friends of the Manitowoc River Watershed](#)
- ▶ [Watershed Ambassadors Summer Camp](#)

The *Wisconsin Maritime Museum* and [STEMpunk 4531 Robotics Team](#) are excited to announce the session dates for our 2nd Annual ROV Summer Camp - a Science, Technology, Engineering, & Mathematics (STEM) camp for youth ages 12-14! Mark your calendars and sign up today!

Remotely Operated Vehicles (ROVs) are remote submersible vehicles utilized to explore underwater environments. ROVs are key tools in a variety of water related fields including maritime archaeology, freshwater science, environmental science, education, and more!

STEMulate your child's thinking, sign them up for our 2017 ROV Summer Camp today!

2017 Sessions:

- July 22-23
- July 29-30
- Aug 5-6

Registration Fee: \$50.00

Students will work closely with our high school robotics mentors from competitive robotics team STEMpunk to explore and apply key concepts in physics and electrical engineering by working collaboratively to build their own Remotely Operated Vehicle (ROV). Student-built ROV's will be deployed to compete and complete challenges within an above ground pool.

Additionally, students will explore potential career tracks related to STEM disciplines and ROVs, in particular. Programming will include an on-the-water experience aboard the *Skyline Princess* tour boat, and deployment of the museum's commercial-grade ROV over a shipwreck in the proposed National Marine Sanctuary. Students will have opportunities to connect with STEM professionals including maritime archaeologists, electrical engineers, recreational divers, and other related professionals.

SPACE IS LIMITED! SIGN UP TODAY!

[2017 ROV Camp Flyer \(PNG\)](#) | [Registration Form \(PDF\)](#) | [Waiver & Release \(PDF\)](#)

2016 ROV Camp: A STEMulating Success!

Under the guidance of high school student-mentors from our partners at STEMPunk, middle school students from throughout the region engaged in a multi-day, experiential learning program that allowed them to dive deep into the STEM concepts surrounding underwater robotics research and development. From theory to application, the participants worked collaboratively in teams to build and test their own ROV. They also received an on-the-water experience with Maritime Archeologists from the Wisconsin Historical Society to deploy the museum's professional ROV and explore actual wrecks in the proposed Wisconsin-Lake Michigan National Marine Sanctuary.