

Additional Water Resources

<http://uwm.edu/freshwater/community-outreach/>

Lake Sturgeon Bowl

A fun and educational academic tournament for high school students focused on the Great Lakes.

In its 14th year, is a regional competition of the National Ocean Sciences Bowl ([NOSB](#)). A round robin, double-elimination academic tournament that provides a forum for teams of five high school students who excel in math and science and who are interested in broadening their awareness and understanding of the oceans and Great Lakes. Topics include science (physics, chemistry, biology and geology of the oceans and Great Lakes); social sciences (economics, history & human interactions); ocean-related technology (instrumentation, remote sensing & navigation), geography and current events. Winners compete in the national finals and conduct research on Lake Michigan issues. Registration begins in October on a first-come basis, and training takes place in the fall.

Water Generation ROV Competition

Is a hands-on robotics challenge for middle and high school students that encourages an interest in Science, Technology, Engineering and Mathematics. Teams from area schools design underwater robots and compete in challenges that promote technical, communication, teamwork, problem-solving and critical thinking skills. Teams design an ROV—a tethered, underwater, unmanned submarine—using CAD, produce a technical report of all engineering work undertaken during the project, develop a poster displayed at Discovery World, present an engineering oral report, collaborate with a professional mentor from the water sector, and participate in a real-time, judged ROV simulation. The winner of the [Wisconsin regional](#) will continue to the international [Marine Advanced Technology Education \(MATE\) Center](#) competition and go up against teams from around the world.

Water Field Adventure

A week-long field experience where fifth through eighth grade students are challenged to investigate a solution to a marine mystery. Students take field data, testing along the Milwaukee River and the shore of Lake Michigan, snorkel in a quarry, and board a dive boat on Lake Michigan.