

Building Underwater Remotely Operated Vehicles (ROVs) In the Classroom

July 15-17, 2019 at Northern Michigan University in Marquette, MI

Workshop Presenter:

Mr. Bill Grimm, Chemistry and Engineering Teacher, Oak Park High School

Mr. Grimm has successfully incorporated ROVs in his urban classroom for the past several years and lends a unique perspective on engaging under-resourced minority students through project-based learning.

Workshop Overview:

K-12 educators with an interest in hands-on science, technology, engineering and mathematics (STEM) disciplines are invited to attend this exciting 3-day workshop that provides a truly unique educational opportunity. Participants will receive an instruction manual, materials and support to design, engineer and build a fully functional underwater remotely operated vehicle (ROV). STEM lessons, skills and activities presented in this workshop support standards and benchmarks in science, technology, engineering, and mathematics.

This grant-funded workshop includes:

- ROV kit w/ manual valued at over \$800
- Workshop materials and instruction
- Lunch each day
- Daily stipend



SCECHs will be available for a small fee.
Participants will be responsible for their own travel and lodging.

Additionally, teams will experience a real world, relevant field trip to utilize their new ROV's.
Detailed information will be forwarded once your application has been accepted.

Space is limited to 16 Participants (8 teams)

For additional information on registering for this professional development opportunity or for additional workshop content please contact Chris Standerford at cstander@nmu.edu.

