

## ALL HANDS BOATWORKS... BUILDING MORE THAN A BOAT...

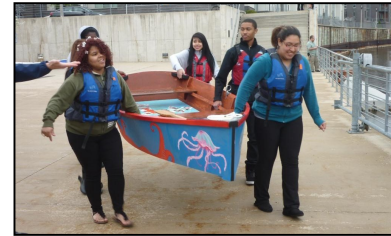


### WHAT IT IS

**A**LL HANDS BOATWORKS, INC., works with middle and high school students (gr.5-12) to enhance their learning, introduce job skills, and foster positive youth development. AHB offers a highly **sequential, hands-on, outcomes-based project** to build a beautiful wooden boat out of a pile of lumber and reinforce math skills. Have your students experience the collaboration and pride of craftsmanship that comes about from building something real. Our instructors will work with you to design a project to meet your needs. By engaging small groups of youth in this unique craft arts project, our goals are that students will acquire new knowledge and skills, gain increased confidence and self-satisfaction that comes from learning project management from start to finish.

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*"Through the creation of their Bevins Skiff, my students saw the real life application of the mathematics I am teaching. The "Math Talk" generated both by AHB and myself allowed students to practice the vocabulary and the application of the mathematical theory presented in the class."*

~ Chris Bauer, Math Teacher, El Puente High School  
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*"Students need to know that math is useful. Students need to be fluent enough to work without a calculator." - Joe Youcha, Building To Teach director*

### BOATBUILDING AT YOUR SCHOOL

ALL HANDS BOATWORKS instructs and mentors hundreds of youth annually through its "in-residence" boatbuilding programs. Each boat takes between 15 to 35 hours to construct and paint with teams of 6-10 students at a time. AHB can also work with you to create a schedule so that more youth can participate. AHB provides all the tools, materials, instructional supplements, and consumable supplies at your location. Create a beautiful work of craft art, display it to show learning in action, and then go rowing!!

Projects are now being scheduled for the next six months. Contact us for details about program fees, financial assistance, sponsorships, space requirements, and scheduling options.

Contact Matthew Rohrer, youth programs manager, at [matthew@allhandsboatworks.org](mailto:matthew@allhandsboatworks.org).



## WHAT IT TEACHES

- Reinforce basic math operations, fractions, ratios, percentages, geometry, and measurement (aligned with the Common Core Math Standards)
- Practice collaboration skills
- Practice safe use of tools
- Increase self-confidence
- Foster good communication skills
- Increase self-discipline and grit
- Learn STEAM skills and project management
- Gain pride of accomplishment from building something tangible!



## TELL ME MORE

*Want to know more about bringing an educational boatbuilding project to your school, organization, club, scout troop, or group? Visit our website – [www.allhandsboatworks.org](http://www.allhandsboatworks.org) or contact Matthew Rohrer, at [matthew@allhandsboatworks.org](mailto:matthew@allhandsboatworks.org)*

### ALL HANDS BOATWORKS, INC.

ALL HANDS BOATWORKS works to build character, opportunity, and hope in Milwaukee's youth through wooden boatbuilding and on-the-water activities. AHB is a 501(c)(3) nonprofit, educational organization, a certified Building To Teach trainer, and a member of the Teaching With Small Boats Alliance.



# All Hands BoatWorks

## EDUCATIONAL BOATBUILDING



*Historically, math was developed around  
2,000 B.C.*

*Classroom teaching of math is about  
200 years old.*

*So, math instruction was really project-based and hands-on for the previous  
3,800 years!*