



# Saint Louis' only BOAT BUILDING CAMP

## July 29 - August 2, 2019



A boat building camp where children will build a full size wood boat with simple woodworking tools and a focus on discovery, math skills, excitement, and collaboration. tuition \$250 serving 4th grade to 8th grade\* tuition includes breakfast, lunch, snacks and the material fees for several projects including everything it takes to build a boat they will row!

**camp hours** 9am-4:30pm

drop off 8:45-9:00am pickup 4:30-4:45pm [no extra cost]

optional before care 8-9am cost : \$25 for the week

optional after care 4:30-6pm cost : \$25 for the week



camp will be at **Building Futures Design Build Workshop**

2720 N. 13th St. St. Louis, MO 63106

*[one block east of Crown Candy in Old North St Louis]*

**sign-up instructions :**

Mail to Building Futures address above or send an email to [boatbuilding@building-futures.org](mailto:boatbuilding@building-futures.org) or mail with student name, grade, school attending, and request for before or after care as needed. Spots will not be reserved until payment is received

**payment :**

send a check for full tuition + optional before and or after care fees to 112 St. George Place Saint Louis, MO 63119

or

go to [www.building-futures.org](http://www.building-futures.org) and click on the Donate tab and enter the tuition fee + optional before or after fees + \$8 paypal fee



\*contact organizers for students outside of target grades

considerations may be made for students outside of age range

\*limited number of full and partial scholarships available

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**The Camp :** Our campers will work together to build a 4-person Bevin Skiff start to finish. The week will culminate with a Friday afternoon boat launch celebration where each student will have the chance to pilot the boat they built on calm water.

Our program is rooted in the Teaching With Small Boats methodology, a curriculum focused on having an enormous amount of fun while honing math skills through hands on learning about woodworking and boat building.

**Other Activities :** There will also be smaller projects we will work in as time permits. Each camper will begin the week by building and floating paper 3/16" scale model boats to learn about the boat design, the boat building method and proper boat vocabulary. We will use a displacement tank to discover the model boat's carrying capacity. There will be an aluminum foil boat design competition. A tow-tank will allow for each camper to build a boat of their own design and race it against their peers.

**Skills :** This quick-moving camp will work to reinforce math skills, meeting each student where they are, challenging them to reach deeper understanding to learn through practical application of what is normally academic focused math efforts.

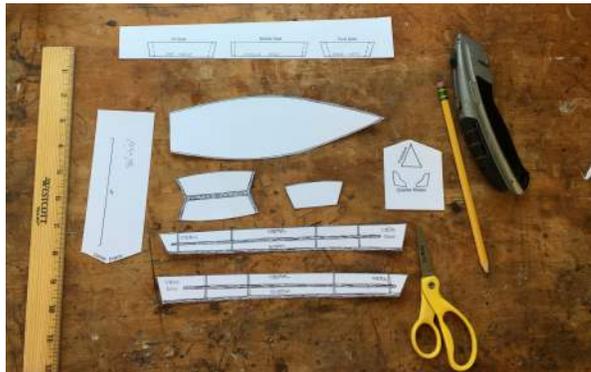
The team's boat will stay at Building Futures for future student programs and activities but there will be plenty of small scale projects that campers will take home with them, too.



### The Boat : *The Bevin Skiff*

Renown boatbuilder, teacher, and innovator Joe Youcha designed The Bevin Skiff. She is a 11' 8" flat bottomed skiff 4'4" wide at the beam that is very stable, safe, easy to row, and can carry 4-5 people or 450lbs. A child who has never rowed a boat can quickly learn to do so in this simple but handsome wooden boat. She can be outfitted with a sailing rig but we will build her to row. She is named after Joe's beloved dog Bevin.

Joe has built hundreds of Bevin Skiffs with both youth and adults across North America in workshops, job training programs, and schools to offer folks a unique making experience that always wraps with a never-to-be-forgotten boat launch. The Bevin is carefully designed to ensure a quick, fun, and safe construction process that can be built by children new to woodworking. The clever design requires no fiberglass or dangerous chemicals to construct and enjoy.



**The Shop :** *Building Futures* is a 501(c)3 that serves children of diverse economic populations to gain exposure to making through problem solving in a small group environment. We bring project-based curriculum and resources to our target population both in the classrooms of our community and in our Old North St Louis studio. By offering access to a design studio and a complete woodshop, children develop hands on making skills in an environment that is safe, builds confidence, and empowers boys and girls to understand their potential as individuals.

### Program Director and Instructor : *Jay Reeves, AIA LEED AP BD+C*

Jay loves to design, build, and teach. He has built an array of peculiar objects from furniture and small scale gadgets; to boats and hand carved paddles; to freestanding buildings. Jay is a weekly Volunteer Instructor and Board Member at Building Futures Design Build Studio. Jay attended a class at Wooden Boat School in Brooklin, Maine called Teaching with Small Boats, lead by Joe Youcha (Bevin's designer) The class offered educators both strategies and projects to teach Math skills through the practical challenges of boatbuilding. Joe and his disciples created this curriculum and inspired Jay to bring boatbuilding to Saint Louis youth. When not at Building Futures, Jay is the parent of two daughters who like to make; a kayak and canoe paddler; a skier; and an urban sketcher. He is an architect at SPACE Architects + Designers + Builders and is proud to have received recognition for design awards locally and nationally.

