

Getting Low-Cost Robotics into Schools

Devin Carroll

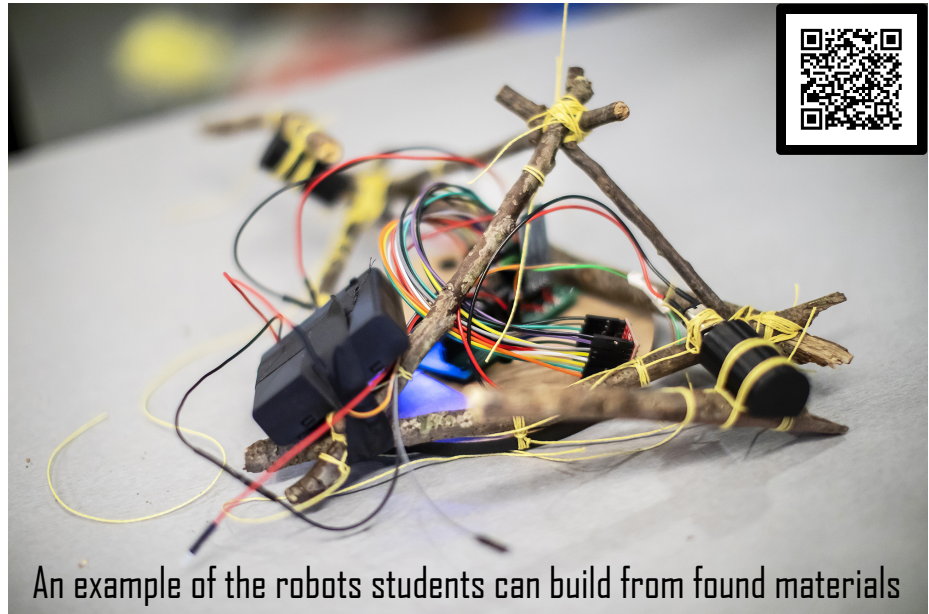
University of Pennsylvania

devinjcarroll@gmail.com | cdevin@seas.upenn.edu

Why build robots from found materials?

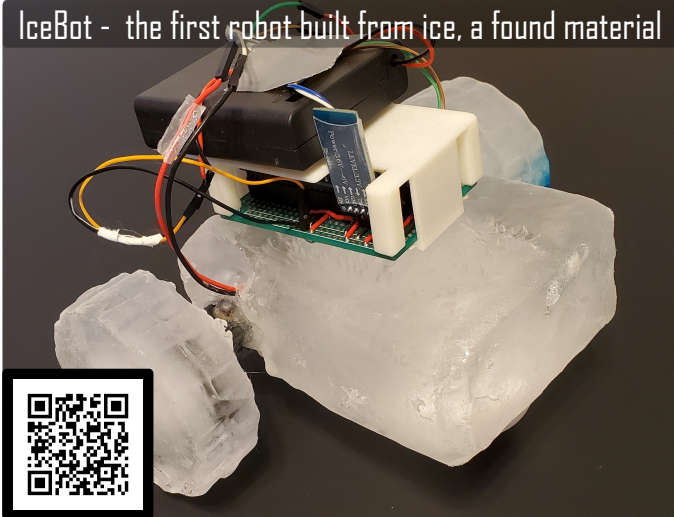
Existing robotics programs (e.g. FIRST Robotics) cost **\$6000** or more in registration fees alone!

STEM robotics kits are a minimum of **\$500**



An example of the robots students can build from found materials

IceBot - the first robot built from ice, a found material



Benefits:

- Low-Cost (~\$50/robot)
- Enable engineering at home
- Early STEM exposure
- Build personalized, unique designs with recycled material

Opportunities to get started:

- After school programs & clubs
- Interactive classroom sessions
- Build robots and recycle!

Searching For:

- Administrators/Teachers to help start the program in schools
- Interested parties for proof-of-concept run

