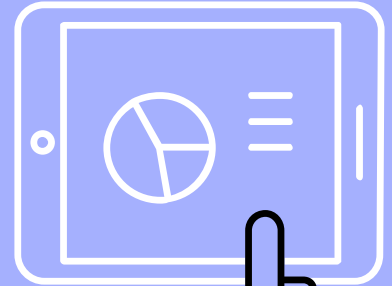
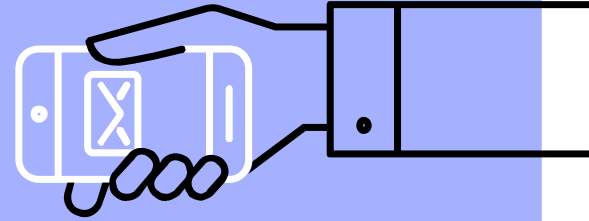


HELP SUPPORT BALTIMORE ROBOTICS!

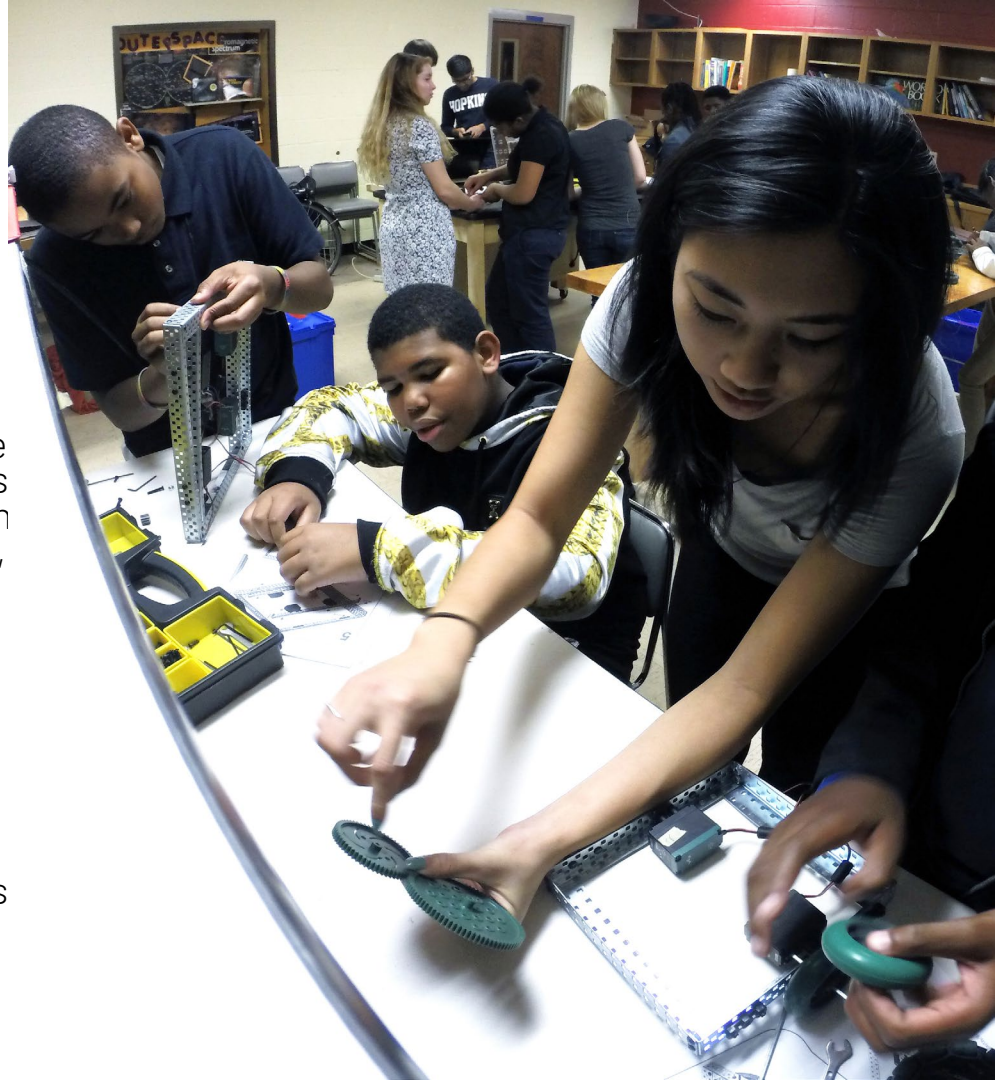
Information about the Baltimore Robotics
Mentoring (BRM) program



What is Baltimore Robotics Mentoring (BRM)?

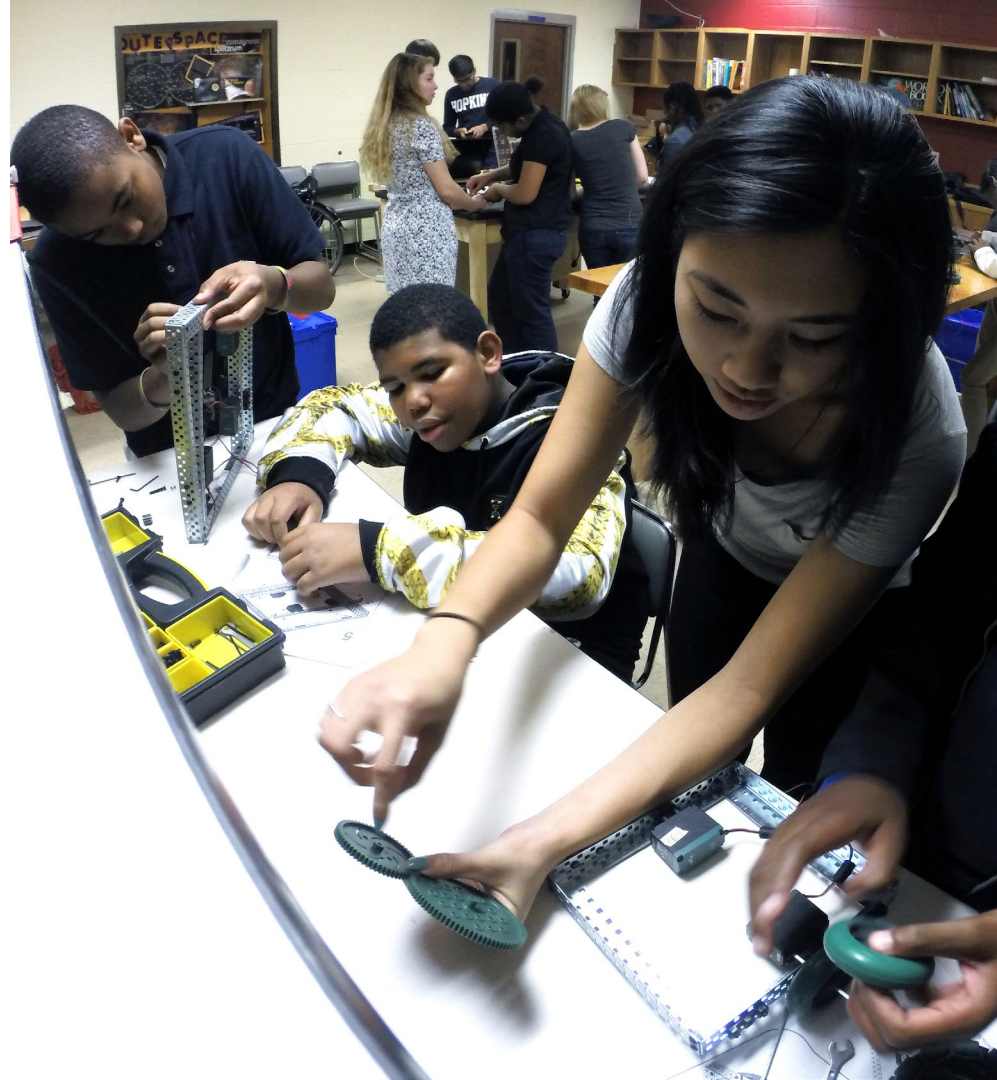
The BRM program combines near-peer mentoring with event support to provide comprehensive support to Baltimore City Schools' VEX Robotics program. There are two components:

- ▶ **Mentoring Sessions:** The foundation of BRM are the weekly mentoring sessions. A group of 2-3 mentors are assigned to each partner school and travel each week to support the robotics teams as they design, build, and program their robots. One school may have up to five teams, each consisting of 2-3 students with their own robot.
- ▶ **Competition Support:** Starting in October there are two Saturday competitions each month (one for VEX IQ and one for VEX V5) that BRM mentors attend as either mentors or volunteers. If their school is competing, the mentors are there to support the team during the event. If their school is not competing, they attend as a volunteer and help make the event run smoothly.



History of BRM

- ▶ Started by Johns Hopkins students in 2013 as a CSC group, active until 2020
- ▶ Relaunched as a program in Center for Educational Outreach last year
- ▶ HUGE growth of Baltimore City VEX teams (IQ especially) in the last 3 years, the need for support has increased



Mentor Role

- ▶ Attend weekly team practices, typically 1-1.5 hours, that take place during afterschool hours (2pm – 6pm)
- ▶ Support elementary and middle school students and coaches as they prep for competitions
- ▶ Help and inspire students with both robotics and personal connections

Robotics knowledge/experience not needed!



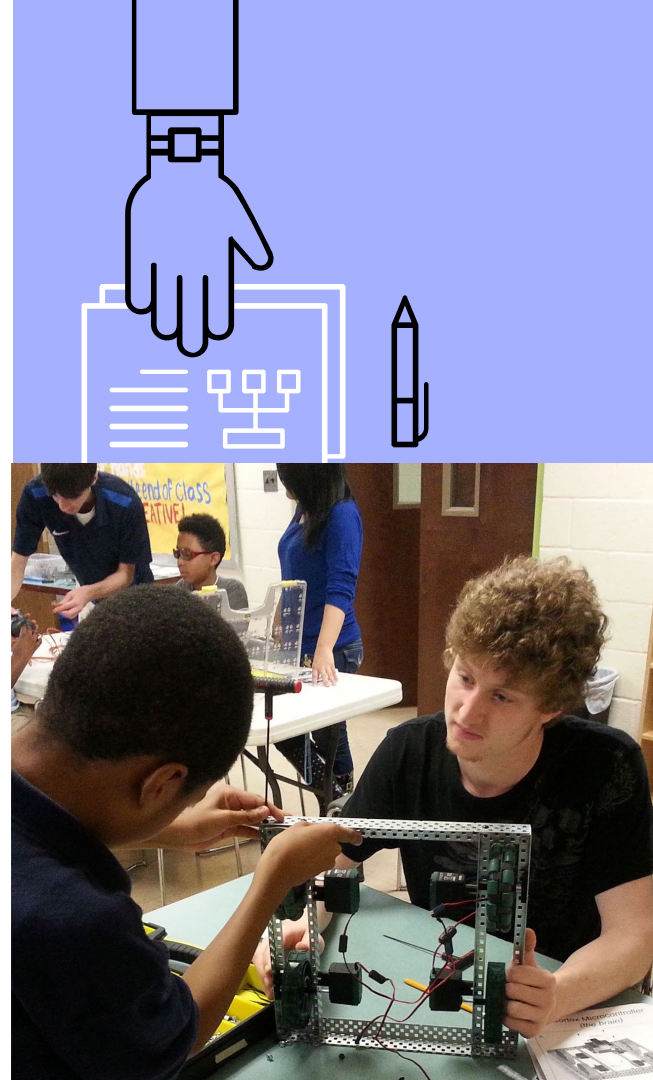
What does a Mentoring Session look like?

- ▶ Hop in a Lyft* from campus to get to your site. Most sites are within a 20-min drive.
- ▶ Sign in at the main office, then head to where the team is meeting.
- ▶ Follow the coach's guidance on how to support the different groups. They may need help to:
 - ▶ Make decisions about their design
 - ▶ Create autonomous code
 - ▶ Build their robot*
 - ▶ Document their design process in their notebook

*Lyfts are paid for by a JHU Lyft Pass

*Students should be doing most of the building; you may be needed as *support*

See photo →



VOLUNTEER ROLE

- ▶ Attend monthly competitions (2 Saturdays each month: Nov, Dec, and Jan)
- ▶ Support [elementary](#) (morning) and [middle school](#) (afternoon) VEX IQ competitions
- ▶ Support high school [VEX V5](#) competitions (morning)

Robotics knowledge/experience not needed!



RAPID RELAY - ELEMENTARY AND MIDDLE SCHOOL



[VEX IQ](#) Competition Details

HIGH STAKES – HIGH SCHOOL



[VEX V5](#) Competition Details

What does volunteering look like?

- ▶ If needed, transportation from campus will be provided
- ▶ The competitions start around 8:00am and are located at [2500 E. Northern Parkway, Baltimore](#)
- ▶ Morning competitions end between 12 & 1pm, afternoon competitions end at 4pm
- ▶ Your volunteer assignment will vary based on the need. Example roles are:
 - ▶ Registration – check teams in as they arrive
 - ▶ Queuer – helping teams get to the competition field on time
 - ▶ Scorekeeper – entering points after each match
 - ▶ Referee – watching and scoring each match
 - ▶ Cleanup – help pack up all the materials at the end of the day





“

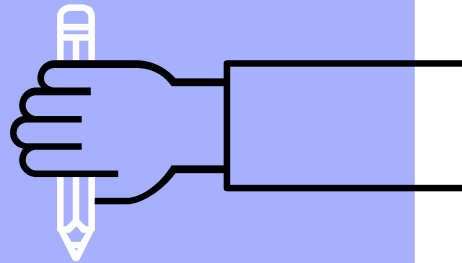
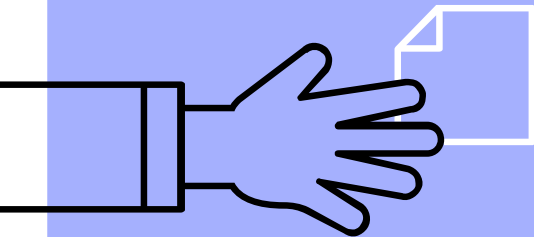
When the mentors were there, we didn't just talk about robotics. We talked about other stuff, too. Like our lives and what we're doing outside of school and stuff.



COMMITMENT

Mentors

- ▶ Attend team practice once a week from mid Oct through Jan or Feb
 - ▶ Transportation provided!
- ▶ Attending Saturday competitions is highly encouraged for mentors

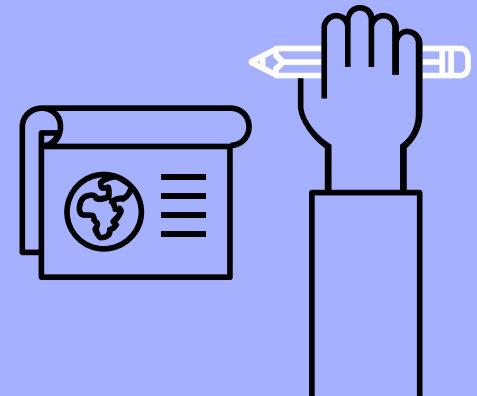


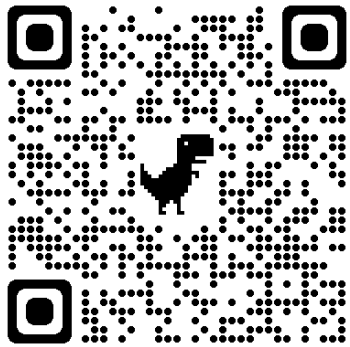
Volunteers

- ▶ Saturday competitions happen in Nov, Dec, Jan
 - ❖ VEX IQ – 11/9, 12/7, Jan TBD
 - ❖ VEX V5 – 11/16, 12/14, 1/25
 - ❖ Transportation available

MENTOR REQUIREMENTS

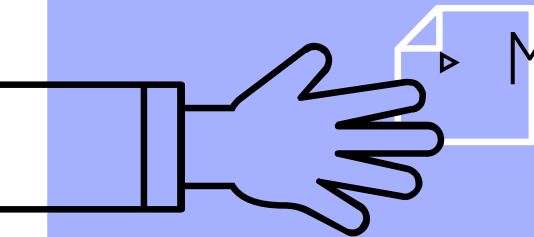
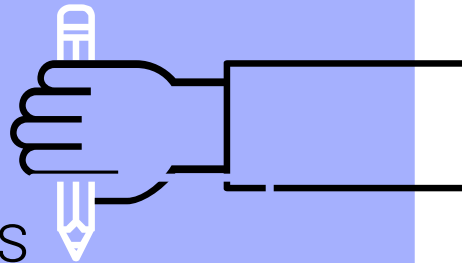
- ▶ Fingerprinting/background check
- ▶ Mandatory mentor training
 - Child Safety Training (every 2 years)
 - Mentoring in Baltimore
 - VEX Robotics introduction (if needed)
- ▶ **Consistent attendance at weekly sessions**





IMPORTANT INFO

- ▶ [Interest Form](#) due Oct 15th.
- ▶ In-person Training for mentors
 - ▶ Date/time TBD
- ▶ Fingerprinting
 - ▶ Information will be sent to those that need it
- ▶ Mentoring starts in October



ANY QUESTIONS?

Please reach out if you
need more information!

Margaret Hart

STEM Outreach Advisor, Center for Educational
Outreach mhart21@jhu.edu

[Interest Form](#) due Oct 15th

