www.TechBrick.com

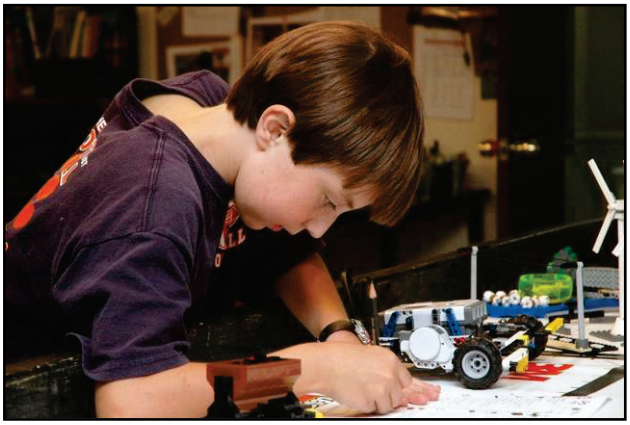
www.USFIRST.org

Home School Robotics Club: 2008-09

1603 Belvue Drive
Forest Hill, MD 21050
http://www.techbrick.com

What is TechBrick?

TechBrick is a robotics club formed for home schoolers in Harford and Baltimore County. After five years we have more than 100 active registrations with a monthly attendance of 25-40 children and parents (who are encouraged to stay and participate). This year we will have four competition teams that meet weekly with a total of 30 children and 5 adult coaches. You can see some of what we've been doing at http://www.techbrick.com



Accomplishments:
Seven state tournaments, three awards for engineering, team spirit award for group efforts, world championship participation.

Our Goals

- Understand teamwork and the benefit of complementary skills.
- Learn how to keep excellent project records.
- Gain expertise in core project management skills and methods.
- Experience the hard work of funding our projects through external support resources.
- Focus on a successful solution to a challenge.

2008-09 Challenges

FTC (First Tech Challenge)
Jr High through High School

FACE OFF!

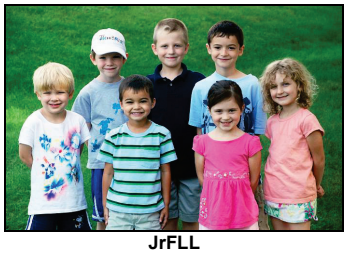
A sophisticated materials-handling challenge that requires teams to corral, manipulate, and place movable targets and work in cooperation with other teams. Teams use a new TETRIX robotics system for free-form building.

FLL/JFLL (First Lego League & Junior First Lego League)
Ages 5-15

CLIMATE CONNECTIONS

A comprehensive challenge that teaches children about global climate issues and options for the future of our world. The task involves research, robotics engineering, technical reviews, and teamwork interviews. Teams use the LEGO NXT robotics system.

2008-09 Teams



JrFLL
Nick, Joshua, Taber, Kaia, Malea, John, Michael

FLL Team #1
Doug, Nate, Jonathan, Cole, Ollie, Ryan, Alie, Caitlin, Andrei, Nathan

FLL Team #1809
Kevin, Nathan, Emily, Jordan, Kaitlyn, Stephen, Bethany, Henry, Charlie, Kade

FTC
Rachael, John, Mark, KC, Andy, Jonathan, Zach

Fund Usage 2008-09 and beyond: *Given the growth of the club and its reach we need to move ahead with organizational and logistical investments. These include, but are not limited to, creation of a non-profit organization, procurement of equipment including club-owned laptops and related hardware, additional education resources including parts and curriculum courses, expanded global outreach, and future development work on plans to create a regional robotics center.*