



Home School Lego Club: 2005-2006



## **What is TechBrick?**

TechBrick is a Lego club formed for home schoolers in the Harford County area. We currently have about 60 registrations with a monthly attendance of 25-40 children and parents (who are encouraged to stay and participate). We have two competition teams that meet weekly that involve 14 children and 5 adult coaches. **You can see some of what we've been doing at <http://www.techbrick.com>**

## **Our Goals**

We have two general goals for the club:

1. To encourage children of all ages to think creatively and solve problems to everyday challenges.
2. To field two teams for the local/state Lego competition and hopefully national as well.

## **What is the First Lego League?**

The First Lego League is the sponsoring organization. This international group arranges the local, regional, and national competitions and sets forth the rules and guidelines. In addition, they create the annual challenges. **You can get more information at <http://www.firstlegoleague.org>**

## **What is This Year's Challenge?**



This year's challenge is Ocean Odyssey. The challenge consists of four sections: 1) An autonomous robot task in which the team's robot must compete a number of tasks in 2 ½ minutes. 2) A technical evaluation. 3) A teamwork evaluation. 4) A presentation about the ocean and how we use it and interact with it. The state challenge will be held on Jan 21 at UMBC Catonsville. More than 60 teams will be competing for the top slot that will take them to Atlanta and the world competition.

## **What Have We Been Doing?**

The teams meet on Tuesdays and Thursdays to plan their research and robot development. The program is challenging and for our team has already resulted in substantial lessons learned. Our TechBrick 1 team will be researching energy derived from the ocean. The TechBrick 2 team is researching underwater habitats. **You can see some of what we've been doing at <http://www.techbrick.com>**

## **How Can You Help?**

We need to raise a total of \$3000. This will help cover the team's registration and required equipment as well as tee-shirts and other general materials. In return, we will feature the sponsor's logo our competition sign, the website, and all other related materials.

**These children are our future. This is without a doubt one of the most challenging, engaging programs I've seen to date. Your support will make a huge difference in the future of 14 bright, engaged, and creative young minds.**

*Note: Checks can be made payable to "New Covenant Presbyterian Church" and are tax deductible. Please designate "Home School Coop Lego Club" on the check and return them to me at the address below.*

// Marco Ciavolino

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