

Welcome to the Westford Robotics Club

The Robotics Club is an afterschool program run, where students will work to design, program, construct and test robots built using Lego Mindstorms NXT Robotics kits. In addition to learning the principles of how robots work, students will learn how to program them to perform specific tasks and functions (i.e. following a line on the floor, retrieving objects, navigation and data collection) and learn basic computer programming skills.

The ultimate goal of the Robotics Club will be to field a team (or teams) which will work together to build a robot (or robots) to participate in the 2012 First Lego League (FLL) robot competitions, held in New Hampshire beginning in November. The club will also build robots to demonstrate at the Westford School Science fair in April 2012.

The Robotics club is open to students in grades 5-8 and is limited to 12 students per session. We will meet once per week, on Thursday afternoons from 3pm until 5pm. The first session will begin on January 5, 2012 and run through February 16th. A second session, identical to the first, will run from the end of winter break until spring break.

After the April break, we will continue the Robotics Club but shift our focus from learning about robots to developing design and programming skills which we will then use to construct robots to accomplish the tasks set forth in the annual FLL robotics challenge. This session will be open to any student who is interested in working on a robot to compete in the FLL competition, whether or not they have participated in the prior two sessions.

The Westford Robotics Club is made possible thanks to the generous donations from the Westford Community (Beth & George Lamphere, the Westford PTO, the Westford Recreation Department, the Committee for Westford Children & Families) and a generous educational grant from Exxon-Mobil.

Please note that school transportation will not be available after Robotics Club, parents will be responsible for arranging transportation for students participating in the Robotics Club.

If you have any questions about the club, or wish to help out, please contact John Doty at 878-1036 or email at jrdoty@myfairpoint.net.

Robot Club Sign Up sheet

Student Name: _____ Parents Name: _____

Grade/Home Room: _____ E-mail address: _____

Home Phone: _____ Cell/Work Phone: _____

Please indicate which session your child would like to attend. Please note that we will do our best to accommodate your request, however once one session is full, we will have to assign students to the open session.

____ Session 1: Jan 5 – Feb 16, 2012

____ Session 2: Mar 8 – Apr 19, 2012

I give my permission for _____ to stay after school to participate in the Westford Robotics Club.

Signature: _____