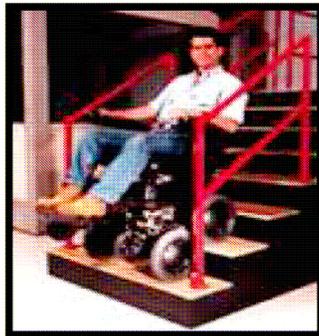
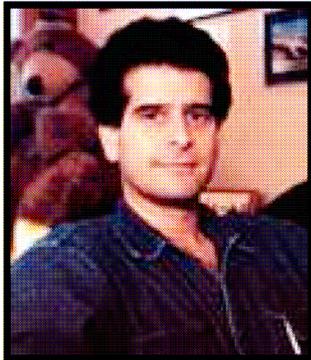




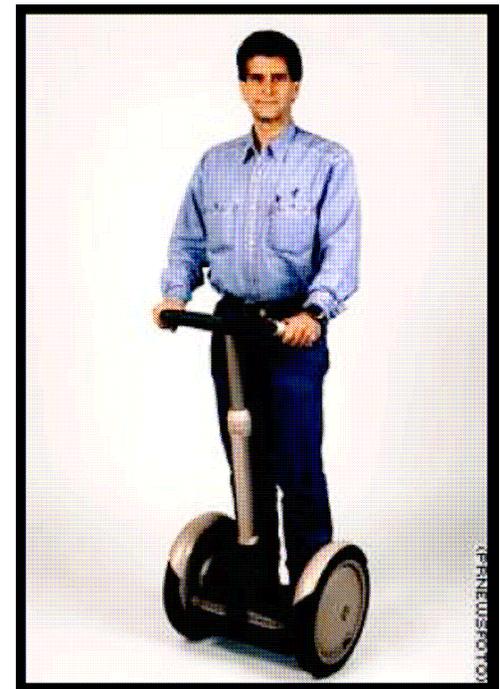
We Build Robots, Too



Scientists all over the world are working to meet a *challenge*. The challenge is real.

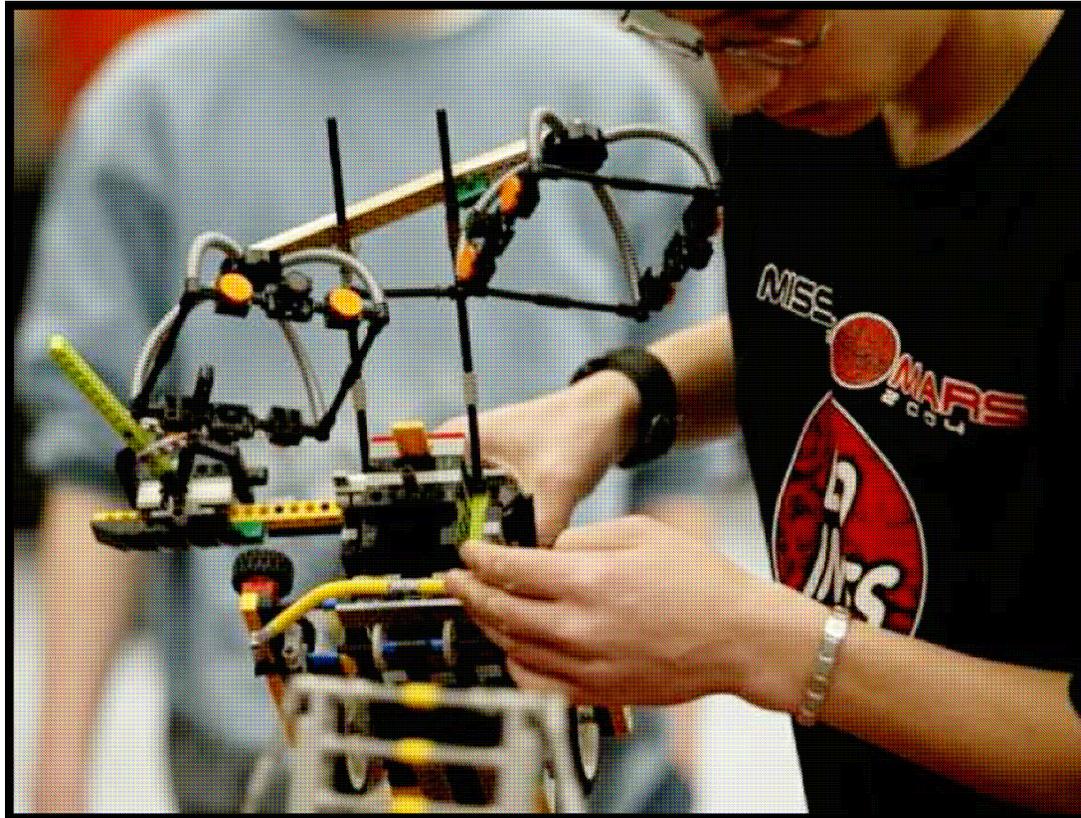


Dean Kamen is the founder of FIRST



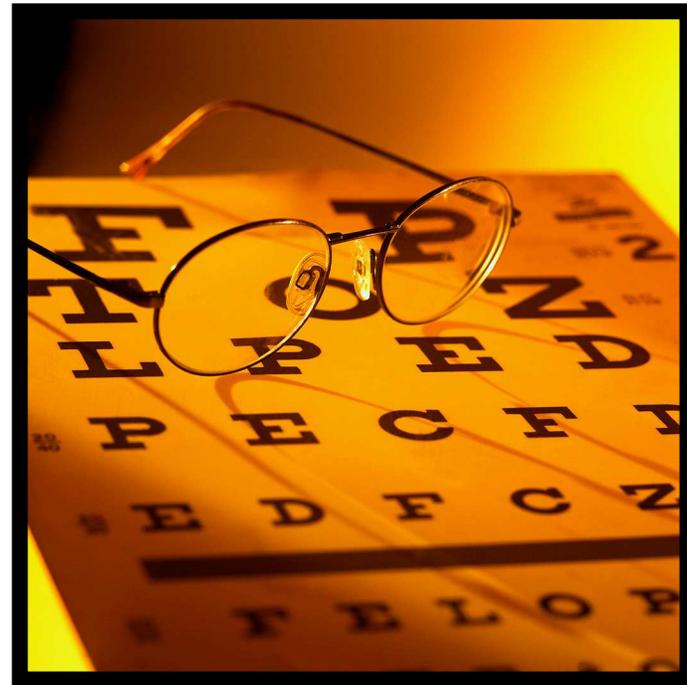
People of all ages have trouble moving, and reaching, and holding everyday things. Can scientists help?



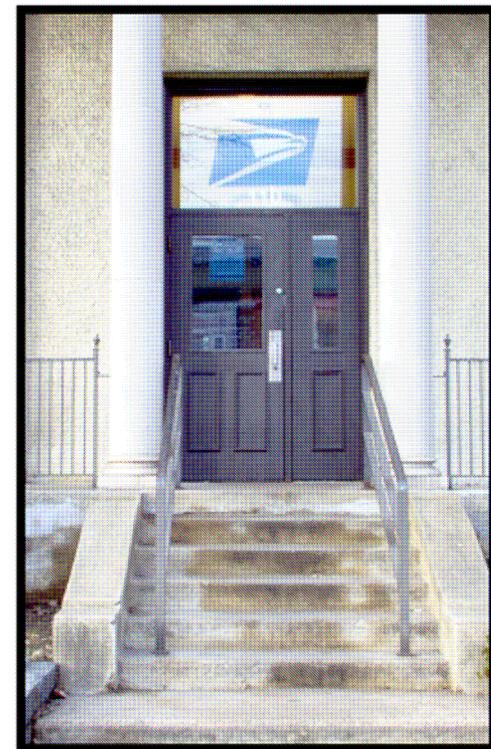


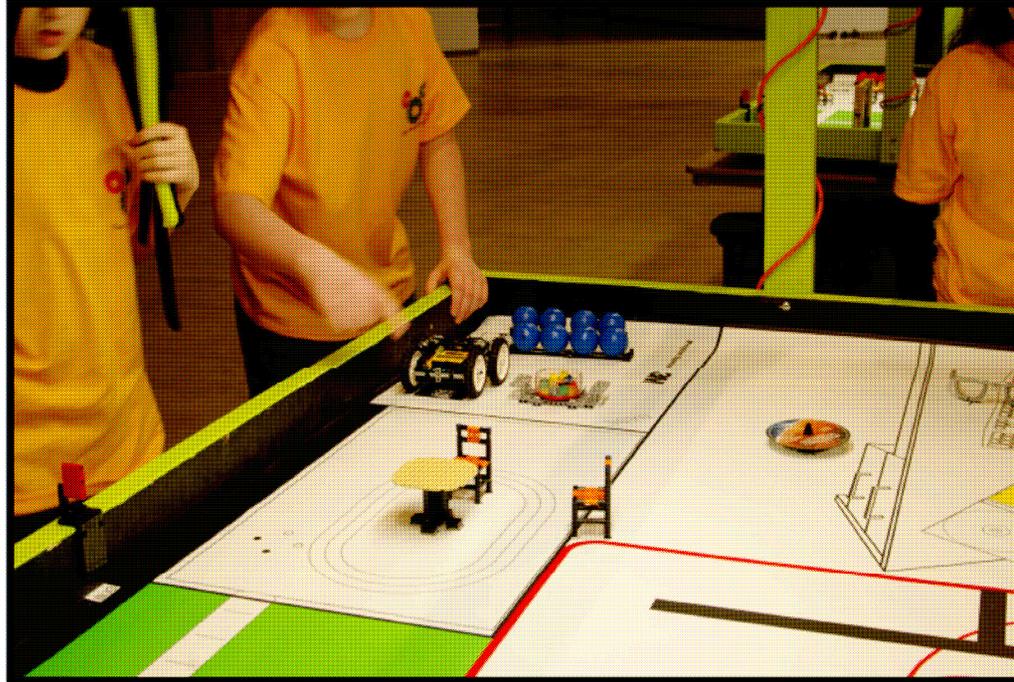
We are young *engineers*. We build robots, too. Can we imagine a *solution* to the problem? Can our robots helps someone in everyday life?

We begin by studying the world around us. We talk to people who use wheelchairs and walkers. We practice finding things when it is hard to see, We learn about *limitations* in day to day life.



We visit buildings and measure spaces. We count steps and try to open heavy doors.





We make a plan that will help our real neighborhood. Then we build a robot that works in an imaginary home to solve ordinary problems

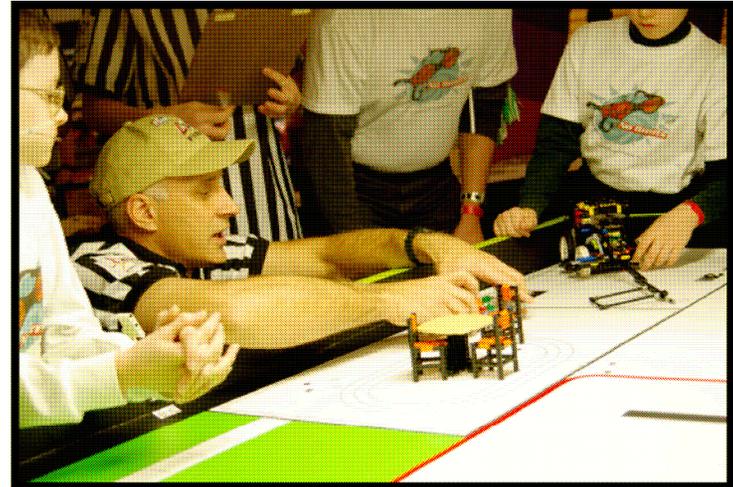


We work together to make a plan. How can our robot help someone in daily life?

Can it put away the
eyeglasses, the CD,
and the chairs?

Can it put balls in a
basket and climb the
stairs?

Can it find the right
bus stop?





We build and test our robot. How does it look?
How does it act?



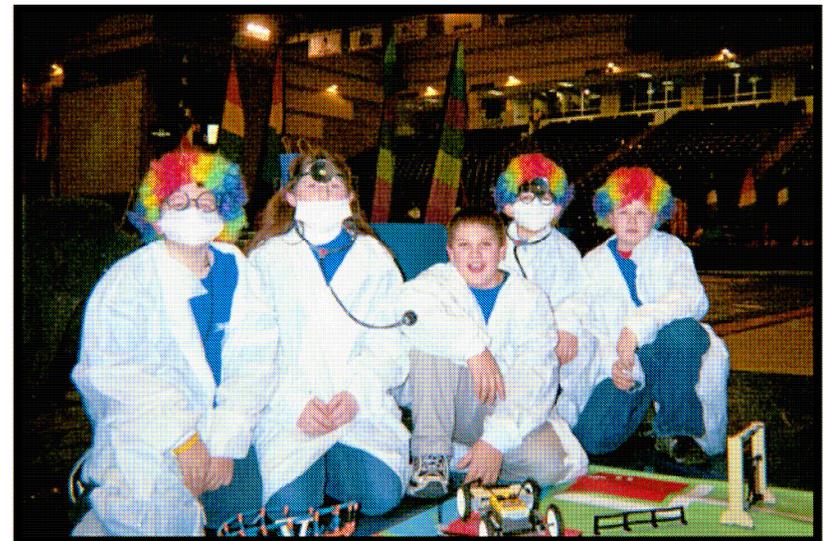
We rebuild and test it again. Is it strong? Can it do the job? We work for weeks and weeks.

Competition day is finally here. The fields are set. The teams arrive. Are we ready to meet the challenge?





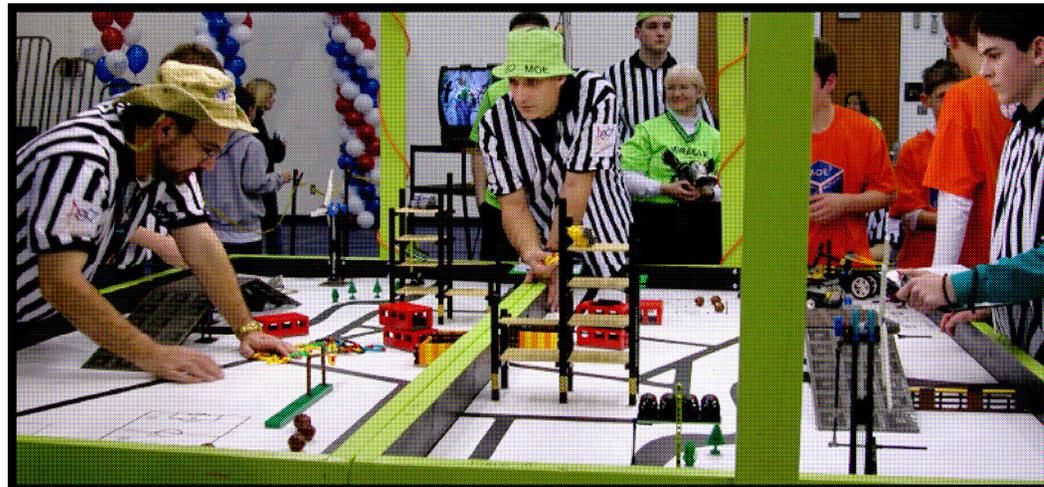
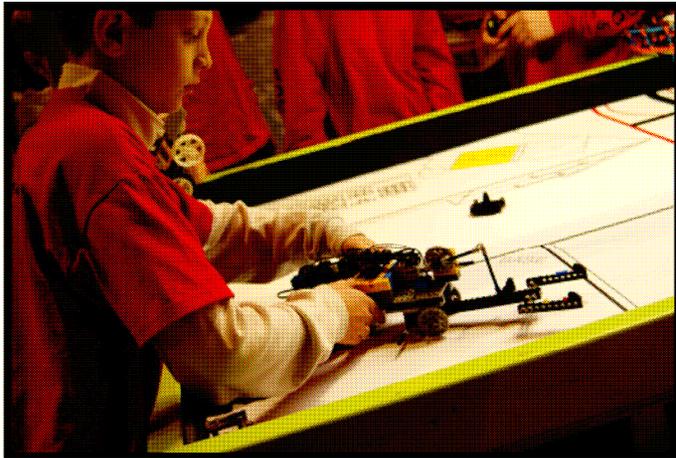
Team spirit is high!

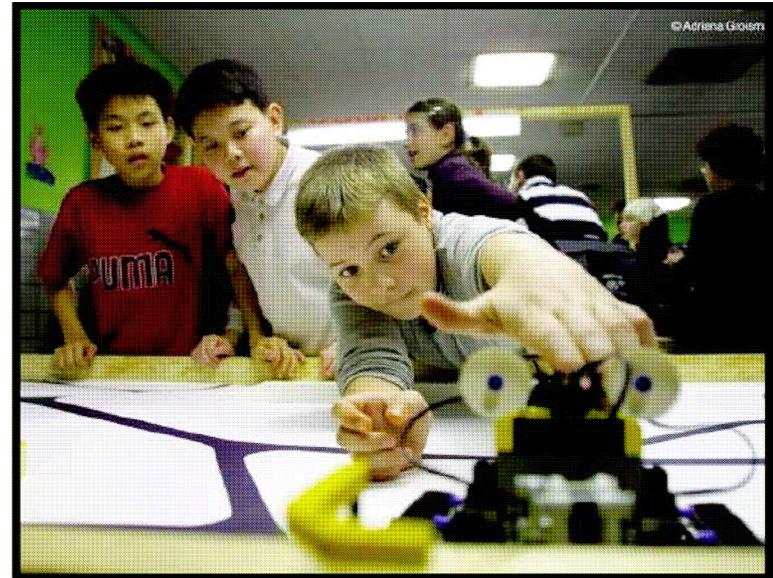




We talk to the judges to explain what we have learned. We have a plan to help real people in our own neighborhood.

Now it's time to put our robot to work. The field is like an ordinary house. The judges are ready. Get set! Go!





How will our robot perform?



The music is loud. The teams are dancing.
Everyone cheers.



It feels good to do something hard. It feels good to work as a team.

Someday our dream will come true. Someday there will be No Limits to what people and robots can do together. Engineers will help do this.





If we can imagine it and we work together,
we will all be winners!

Who are we?

We are the *Miracle Workerz*, MOE 365. We are a high school robotics team that is committed to bringing the message to younger kids everywhere - Science is cool for everyone from 3 to 365! For more information on FIRST State Robotics and First State FIRST LEGO League visit our website www.MOE365.org.

About FIRST LEGO League

FLL believes that the natural curiosity and creativity inherent in children are qualities critical to understanding complex problems, envisioning possibilities and developing innovative solutions. Mentored by adults and challenged by a current scientific need, FLL participants discover career possibilities, learn teamwork and perseverance, and gain confidence. FLL helps to shape their future, and they in turn shape ours. For more information see <http://www.usfirst.org/jrobotcs/flego.htm>.



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