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FIRST Lego League– Body Forward

“Engineering Meets Medicine”

Can *FIRST*® LEGO® League Teams improve our quality of life? Through the 2010 Body Forward™ Challenge, 9 to 14 year olds will explore the cutting-edge world of Biomedical Engineering to discover innovative ways to repair injuries, overcome genetic predispositions, and maximize the body's potential, with the intended purpose of leading happier and healthier lives.



To contact us:

Metamo4ic Math Center
333 N. Florissant Road
Ferguson, Missouri 63135

Phone: 314-807-3290
Fax:
E-mail: info@metamo4icmathcenter.com



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About Us

FLL is a NFP (not for profit) organization designed to get kids interested in science, engineering. Every September, FLL releases a Challenge, which is based on a real-world scientific topic. Each Challenge has two parts: the Robot Game and the Project. Teams of up to ten children, with one adult coach, participate in the Challenge by programming an autonomous robot to score points on a themed playing field (Robot Game) and developing a solution to a problem they have identified (Project). Teams may then choose to attend an [official tournament](#), hosted by one of our Operational Partners.

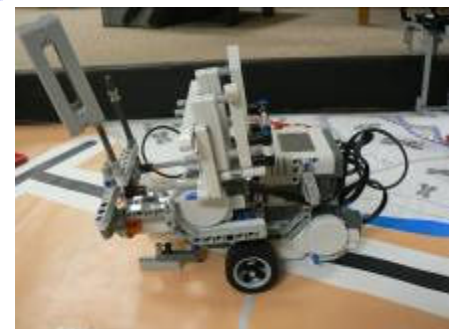
Here Are some useful links:



A victorious FIRST Lego League team

We Are Team

Robo-Mo4ic



Our team name is Robo-mo4ic because we are based at the Metamo4ic Math Center. Our research project is to try and improve existing systems that help people with paralysis to walk and move their arms. A video of such an exoskeleton can be found here: <http://www.metacafe.com/watch/1677006/rewalk/>. We interviewed a person that is paralyzed from the chest down and partially paralyzed in the hands and arms. We asked him questions like "How would

person that is paralyzed from the chest down and partially paralyzed in the hands and arms. We asked him questions like “How would you feel if there was an exoskeleton suit that you could get right now” and “would you buy this suit or not and why”. Based on our interview and research, our improvements would be to add backup computers, extra battery life/ backup batteries, and a system for calling for help if something that is unable to be repaired breaks.



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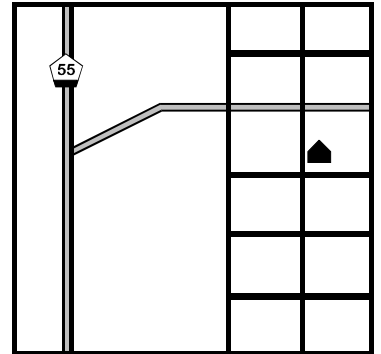
Related Links

Contact Us

If you are interested in FLL, here is where our team is based

The Math Center is located in the First Baptist Church of Ferguson
333 North Florissant Road
Ferguson, Missouri 63135

[Get Directions Here](#)



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Calendar

October 2010

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2 10:30 Work Day
3	4	5 6:00 PM Meeting	6	7	8	9 10:30 Work Day
10	11	12 6:00 PM Meeting	13	14	15	16 10:30 Work Day
17	18	19 6:00 PM Meeting	20	21	22	23 10:30 Work Day
24	25	26 6:00 PM Meeting	27	28	29	30 10:30 Work Day

Schedule of Events

- Every Tuesday– Team Meeting, Work on Research/Robot

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- Every Saturday– Team Build Meet, Work on Robot

- Sunday, November 14– Regional Qualifier, 8 AM-5 PM St. Charles Comm. Collage

- Saturday, November 13– Mandatory Rehearsal Meeting, 10:30-1:00



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These are some helpful links.

<http://www.firstlegoleague.org/media/twocol.aspx?id=247>

This is the official FLL site.

<http://www.metamo4icmathcenter.com/index.html>

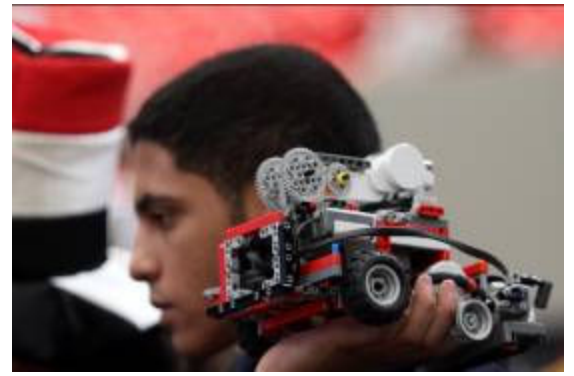
This is the Metamo4ic Math Center's website.

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