



2010 Robotics & Biomedical Engineering Institute Featuring the 2010 Body Forward™ Challenge



Educator Institute

This three-day workshop is designed for new and experienced teachers, high-tech mentors, parents, and others interested in participating FIRST® LEGO® League (FLL) robotics in the classroom or in competition during the 2010-11 school year. Educators learn MINDSTORMS, how to build an FLL team and tour a biomedical engineering site relevant to the 2010 Body Forward™ Challenge.

Tuesday, August 10

Skillpoint Alliance

201 E 2nd Street, Suite B; Austin, TX 78701

9-9:15 am	Introductions and Overview of Institute
9:15-10:15 am	FLL Coach's Season Overview
10:30-Noon	Robot Game & Strategy Overview Danny Diaz, National Instruments
Noon-1pm	Lunch provided by Skillpoint Alliance
1-2:30pm	Research Project Overview & Presentation Planning Ben Black, National Instruments
3-4pm	Day 1 wrap-up, reflections and outcomes
4 pm	Day 1 concludes

Wednesday, August 11

Hospira, Inc.

3900 Howard Lane; Austin, TX 78728-6515

9 am	Arrive at Hospira Welcome and Site Overview Matt Mehl, Site Director
9:30 am	Facility Tour—Chemical, Environmental and Bio labs - tour lasts 1 – 1.5 hours and has some stairs – so comfortable walking shoes are recommended
11-12:00 pm	Return to Skillpoint Alliance

12-1 pm	Working lunch provided by Skillpoint Alliance Lunch and learn lecture: “Problems and issues in Biomedical Engineering” Mia K. Markey, Ph.D. University of Texas Department of Biomedical Engineering
12-12:30	
1-2:30pm	Project Presentation Exercise
2:45-4pm	Day 2 wrap-up, reflections and outcomes
4 pm	Day 2 concludes



Thursday, August 12

*Skillpoint Alliance
201 E 2nd Street, Suite B; Austin, TX 78701*

9-9:30am	Questions & Review
9:30-10:20am	LEGO® Robotics: Introduction to Building Randy Hoskin, National Instruments
10:30-Noon	LEGO® Robotics: Introduction to NXT Programming Randy Hoskin, National Instruments
Noon – 1pm	Lunch provided by Skillpoint Alliance
1–2:15pm	Design Challenge
2:30-4pm	Final day wrap-up, reflections and outcomes
4 pm	Day 3 concludes



Thank you for participating in the
2010 Robotics & Biomedical Engineering Institute
Featuring the 2010 Body Forward™ Challenge!



Save the Date!
2010-11 Central Texas FLL Season Kick-Off
Saturday, September 11, 2010

