

# ANNUAL CHALLENGE FOR FALL 2010

## *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.

**FLL is *SPORTS OF THE MIND*.** It introduces young people to the fun and excitement of science and technology while building self-confidence, knowledge, and life skills.

### **Body Forward Robot Game**

Using **TEAMWORK** small engineering teams of 3 – 10 students will **ENGINEER** a LEGO® MINDSTORM® ROBOT to navigate the Body Forward Challenge mat with biomedical inspired challenges. The robot will push, pull, lift, deliver and retrieve items on the challenge mat.

### **Body Forward Project**

The teams also **RESEARCH** an “engineering meets medicine” topic, **CREATE** an innovative solution and **SHARE** it in their community. The teams will **PRESENT** a 5-minute skit at the tournament about their project.

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*Oregon Robotics Tournament and Outreach Program (ORTOP) offers free coach training workshops and team scholarships to parents, teachers and community members to start new FLL teams.*

*Our tournaments celebrate our teams' achievements at all levels.*

*2010 FLL Tournament Events: Portland, Hillsboro, Wilsonville, McMinnville, Hood River, Corvallis, Roseburg, Bend and La Grande.*

*START A TEAM and JOIN US IN FALL 2010.*

[www.ortop.org/fll](http://www.ortop.org/fll) for more information



Celebrating 10 years of opening doors  
to the worlds of science and technology  
for Oregon's Youth.