

For more information on other exciting engineering activities, contact ISEK (Iowa State Engineering Kids).

WEB www.isek.iastate.edu

EMAIL isek@iastate.edu

Event Staff

Pat Barnes
Steve Mapley
Brandon Newendorp
Mary Daniels
Christoph Lohr
William Bichler
Lou Behrend
Stephen Dudzik
Ann Lawler

Eric Schelin
Mark Turczynski
Karl Washburn
John Kalyanapu
James Thompson
Micayla Haugen
Chris Tourek
Kevin O'Connell
Brice Pollock

Jeff Melvin
Rachael Barnes
Scott Bullock
John Johnson
Michelle Brus
Sara Dohrmann
Malcolm Kelley
Taylor Hutchins

Thank You

A huge thank you goes to all sponsors, coaches, mentors, participants, parents and volunteers for their support of *FIRST* LEGO League. We cannot express how invaluable you are in promoting engineering, science and technology to the next generation. Thank you for your creativity, dedication and enthusiasm for the youth involved.

Special thanks to the Putnam Museum & IMAX Theatre for hosting the FLL regional. This includes: Donna Murrury, Tom Richmond, Jim Loula along with Kim Findlay, the Putnam President and CEO. Further info on the Putnam is available at www.putnam.org.

About QCESC

The Quad City Engineering and Science Council (QCESC) is a non-profit umbrella organization representing 35 technical societies in the Quad City area with approximately 5,000 associated members. The QCESC is beginning its 48th year of operation in 2010 and annually sponsors events such as the National Engineers Banquet, the Engineering and Scientist of The Year Awards, scholarships to local high school students, the President's Reception for local Society Presidents and provides judges for the local technical activities including Invent Iowa. For more information on QCESC, please visit www.qcesc.org.

About *FIRST*

FIRST (For Inspiration and Recognition of Science and Technology) was founded in 1989 by inventor Dean Kamen to inspire young people's interest and participation in science and technology. Based in Manchester, NH, *FIRST* is a 501 (c) (3) not-for-profit public charity. *FIRST* is supported by a strong network of sponsors and volunteers.

FIRST provides the *FIRST* Robotics Competition for high-school students and the *FIRST* LEGO League for 9 to 14 year-olds. *FIRST* also offers the Junior *FIRST* LEGO League for 6 to 9 year-olds and the *FIRST* Tech Challenge, a mid-level robotics competition that offers high-school students a more affordable and accessible opportunity to participate in *FIRST*. For more information, visit usfirst.org.

About the LEGO Group

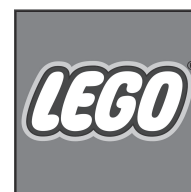
The LEGO Group, a privately-held, family-owned company based in Billund, Denmark, is one of the world's leading manufacturers of high quality, creatively educational play materials for children. The company is committed to the development of children's creative and imaginative abilities, and its employees are guided by the motto adopted in the 1930s by founder Ole Kirk Christiansen: "Only the best is good enough." For more information, visit www.LEGO.com

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Quad Cities FIRST LEGO League

SMART MOVE

2009 Iowa FLL Regional Qualifier December 12, 2009



Rockwell Collins
Iowa State University
College of Engineering

Quad City
Engineering and
Science Council



The FLL Mission

Our mission is to provide an inspirational learning experience that celebrates engineering, science and technology, allowing participants to develop skill sets and personal qualities that lead them to future success in scientific, technical and engineering fields.

Agenda

8:15 AM - 8:40 AM	Teams arrive, check in and find their pit area in Main Gallery
8:40 AM - 9:00 AM	Coaches/Head Ref Meeting in Waterman Learning Center Room B
9:00 AM - 9:30 AM	Opening Ceremonies in the Grand Lobby
9:30 AM - 12:10 PM	Teams participate in judging sessions and robot performance rounds
12:10 PM - 1:10 PM	Lunch Break
1:10 PM - 2:30 PM	Teams participate in judging sessions and robot performance rounds
2:30 PM - 3:15 PM	Teams clean up their pit areas while judges deliberate Teams can also visit Putnam Exhibits free of charge with their bracelet
3:15 PM - 3:45 PM	Closing Ceremonies in the Grand Lobby

Key Locations

Robot Matches
Grand Lobby

	Red
Project	Waterman B
Teamwork	Waterman A
Technical	Komder B

Code of Conduct

It is our expectation that teams, guests, mentors and coaches will conduct themselves in a manner of good citizenship and gracious professionalism including respect for the Putnam Museum, property, volunteers, teams and FLL staff. Participation is an opportunity to engage with other teams and individuals while encouraging camaraderie.

We are excited to see what teams have done with Smart Move and to have so many participants for this year's event!

About FIRST LEGO League

Embark on an exploration of the earth's climate in the *FIRST* LEGO League's 2009 Smart Move Challenge! Can *FIRST* LEGO League teams transform the way we look at transportation? The key to the 2009 "Smart Move" Challenge is accessing people, places, goods and services in the safest, most efficient way possible. In this journey, teams will consider many modes of transportation beyond their daily routine and streamline their options by making smart moves!

Have you ever seen so many people excited about solving real-world problems and engineering? We feel truly fortunate to work with committed students, individuals and organizations that share our goal of inspiring the next generation to celebrate engineering, science and technology. We commend you for assuming an active role in the development of today's youth into tomorrow's talented workforce. Tournaments such as this provide participants the opportunity to see that they are part of something larger than their own team. Ultimately, it is our hope that team members see tournaments as a microcosm of society where people work together to solve common problems.

Thank you for your attendance of this event. The participants today appreciate your support in their work of changing the culture, one brick at a time.

Teams

Team 1141 Maquoketa, IA <i>Robo Cards</i>	Team 1952 Davenport, IA <i>Jaguars</i>	Team 3158 Iowa City, IA <i>ICHSAP 4-H</i>	Team 7067 Bettendorf, IA <i>Bettendorf Robodogs 2</i>
Team 1302 Davenport, IA <i>Smart Eagles</i>	Team 2184 Davenport, IA <i>Williams Hornets</i>	Team 5266 Fairfax, IA <i>Robo Sams</i>	Team 8386 Le Claire, IA <i>PV Spartans</i>
Team 1566 West Liberty, IA <i>TechnoTeens</i>	Team 2742 Iowa City, IA <i>Lords of Mayhem</i>	Team 7064 Bettendorf, IA <i>Bettendorf Robodogs</i>	Team 9961 Tipton, IA <i>Tipton Tigers</i>
Team 1586 Cedar Rapids, IA <i>BASE</i>			

Presentation and Interviews

FLL is about more than just building robots. Teams have to be creative in how they work to solve real-world problems. This year, teams have defined their community, listed everything that moves in and through their community, then selected a problem from that list. Teams have been challenged to create an innovative solution based on the selected problem. They are also tasked with sharing their solution with their community. Teams present these projects to a panel of judges. In addition to this project presentation, teams take part in interviews focusing on their strengths in both robot technical design and how they work together as a team.