

# Welcome

- Introduction
- Action Plan



# The First Lego League

- FLL is an International Science and Technology Program for children aged (9 to 16 Years)
- Developed in 1998 ( FIRST-LEGO)
- Founder: Dean Kamen



*"To create a world where science and technology are celebrated...where young people dream of becoming science and technology heroes"*

**Dean Kamen, Founder**

# FLL Around the World

- 2008, 125,000 Children
- 42 countries
- Each year a new Real-world Challenge is released. Teams have to solve the challenge by:
  - building and programming a robot to complete a series of missions
  - Research activity
  - Presentation activity



# Importance

- Studies highlighted an Alarming decline in young people's interest in science and mathematics subjects
- Hands-on, inquiry based approach to science and technology has proven effective in increasing young people's interest in these subject areas.



# Real World Challenges

- FLL as topic-research based linking to current real-world issues:
  - Global Climate changes
  - The role of Technology in helping individuals with disabilities
  - Nanotechnology
  - Using Technology to protect and promote productivity of the world's oceans



# The Concept

- Children Solve problems and invent solutions within given time frame within a team.
  1. 6 to 10 Kids for a team
  2. Adult coach ( Ex: teacher)
  3. The Annual Challenge goes on internet early September

# The Concept

## 4. 8 Weeks to prepare:

- Practical task: building and programming a robotic invention using LEGO MINDSTORMS. The robot must complete a series of “ Missions” on an obstacle course related to the challenge topic
- Theoretical task: They Research the challenge topic and prepare and share a presentation of their findings. ( Search information on the internet, contacting companies universities and other useful resources)



# LEGO Mindstorms

- Kit
- Next Dance



# The Concept

4. 8 Weeks to prepare:
- Teams meet at Regional tournaments
  - Winners go to National tournaments
  - Winners attend FLL world Festival in Atlanta, USA early April (Could attend open tournaments around the world)



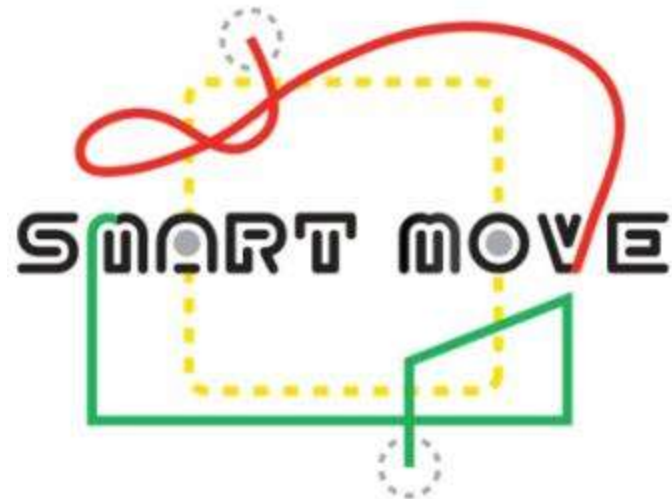
# Mission Example

- <http://firstlegoleague.org/community/fll/game.aspx>



# 2009-2010 Theme

- Smart Move: Transforming Transportation - *Launches September 2009*
- 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!



# Timeline

- May 4, 2009 Team Registration Opens  
Registration Materials begin to ship  
FLL Robot Sets begin to ship
- Aug. Field Setup Kits begin to ship
- Sept. Team Registration closes when all slots are filled
- Sept. 3, 2009 Global Challenge Released
- Sept. TBD Tournament Registration begins according to each region's tournament schedule
- Nov. - Feb. Tournament season

# Egypt

- 4 Years
- 2009-2010 is the 5<sup>th</sup>
- 1st in the Arab Region
- Member in the FLL Arabia



# Photos and Videos



# FLL Planning Committee

1. FLL Partner
2. Training Coordinator:
  - Governmental Schools Training and involvement
  - Kits
  - Teachers Training
  - Camps
3. Administrator
4. Team Liaison
5. Judge Advisor
6. Head Referee
7. Marketing and Education coordinator
8. Fundraising Manager
9. PR/Media Coordinator
10. Qualifying tournament Liaison

# More Committees

- IEEE Tournament Committee
- Championship Committee

# Qualifying Tournaments Organizers

- IEEE ( Cairo-Tanta-SB)
- Techno future
- Atlas
- AAST
- AUC

# Fees

- Tournament organizer
  - Company
  - University
  - NGO
- Teams/Schools
- Fees
- 25 % Governmental Schools

# Egypt Championship



# Sponsors benefits

---

**Thanks**

---