

NATIONAL

R  **o**  **b** **t** **i** **c** **s** WEEK

INNOVATION • TRANSFORMATION • EDUCATION

Sungmin Lee

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What is National Robotics Week?

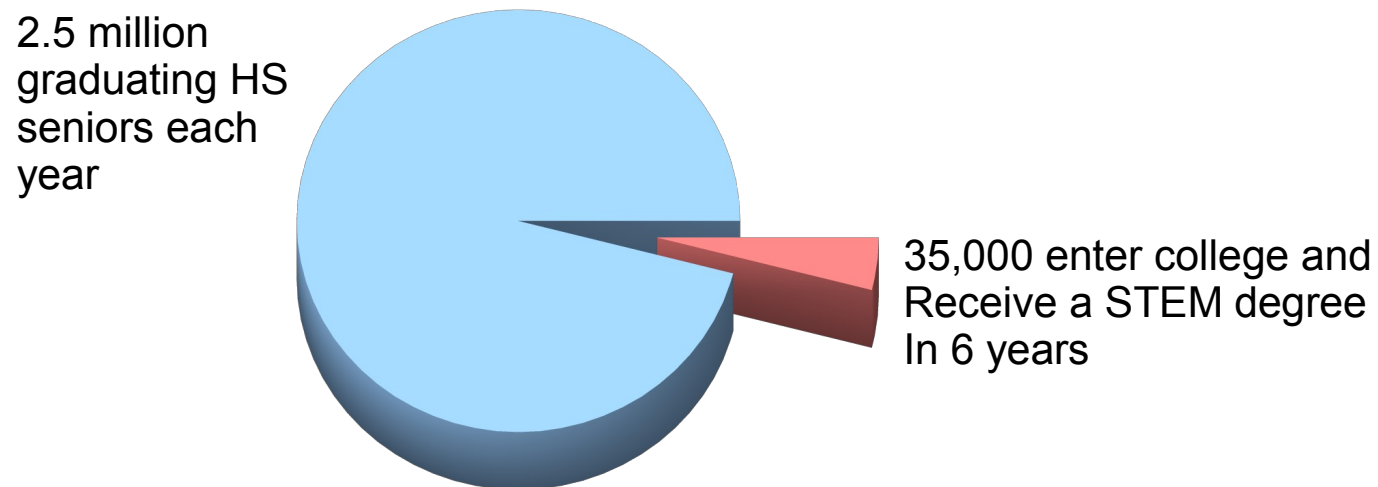
- A product of a 2009 effort by leading universities and companies to create a “national road-map” for robotics technology.
- Will be held April 9 – 17 for this year
- Every event happens everywhere simultaneously. (Nationally!)
- Open to everyone. Even possible to hold your own event.
- 2(or 3) years of short history, but..
- + 50 events,
- + 20 states,
- + 46,000 people(24,000 K-12 students) in 2010!

What is National Robotics Week?



Why National Robotics Week?

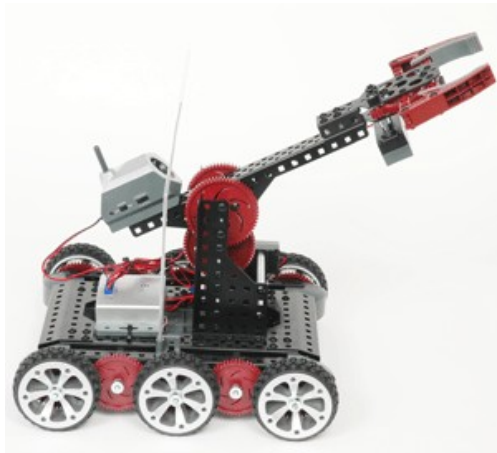
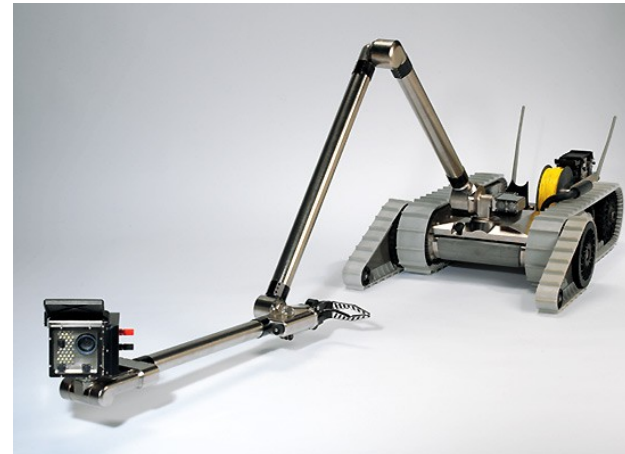
- US is falling behind on number of college grads in STEM(Science, Technology, Engineering and Math) field
- Need 400,000 new STEM grads by 2015



- Why don't we use robots to inspire students?

Why National Robotics Week?

- Robots have innovative tactics(1/3):
 - Platforms:



Why National Robotics Week?

- Robots have innovative tactics(2/3):
 - Competitions:



Why National Robotics Week?

- Robots have innovative tactics(3/3):
 - Curricula:
 - Easy to apply, easy to get involved.
 - Quality interactions and tangible results.
 - **KBotics**, Queen's University, ON, Canada

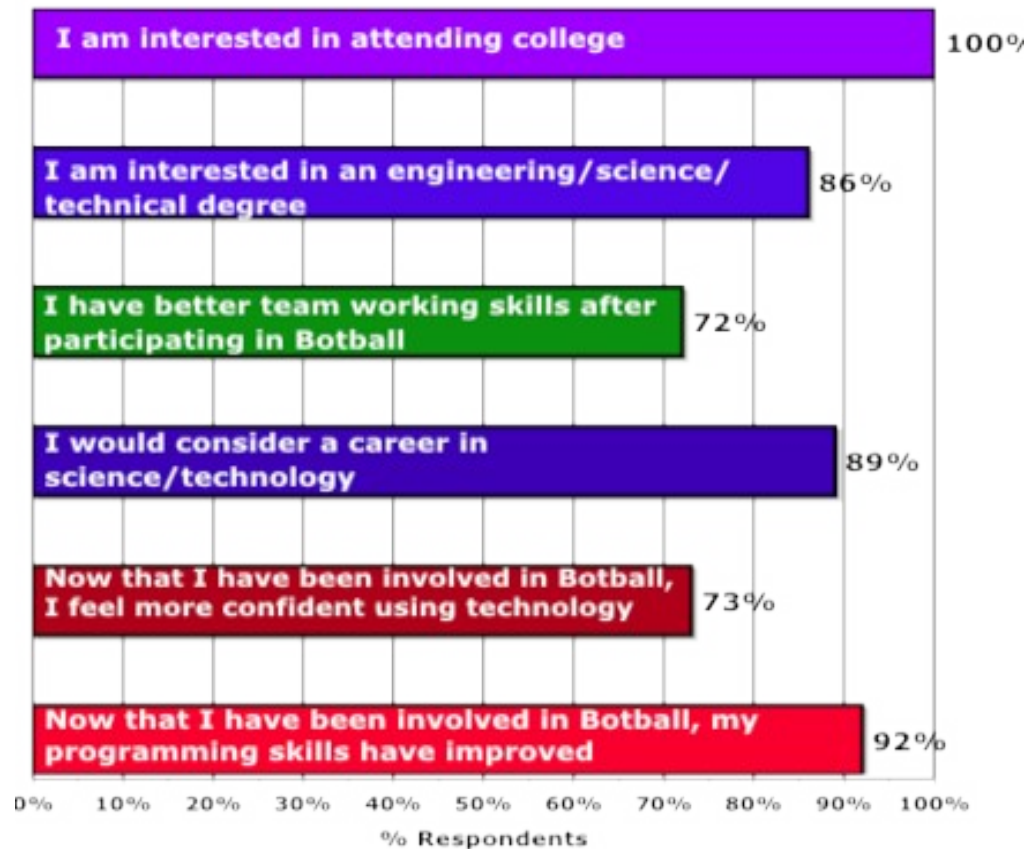


Why National Robotics Week?

- National Robotics Week got all the types.
- A wide variety of **events**:
 - Robot Contest
 - Exhibition
 - Competition
 - Workshop
 - International Conference
 - ...Even 7% off promotional coupon for a shop!

What could we expect?

- To learn problem solving techniques in scientific ways
- Inspiration and positive feedback for STEM field



Useful Links:

- SPARK(Starter Programs for the Advancement of Robotics Knowledge)
 - <http://spark.irobot.com/>
- Video Clip of Google Tech Talk by Kristen N. Stubbs, “How Robots are Taking over the World(of Education)”
 - <http://www.youtube.com/watch?v=Z6sx1uqxWIM>