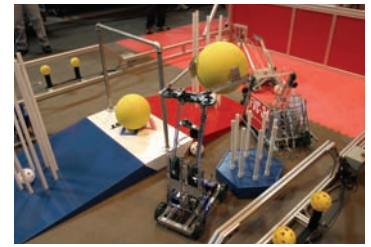




*“It’s not just building something. It’s about planning something. It’s about being organized. It’s about thinking out of the box.”*

**Mike Gustason,**  
Engineering Manager,  
Walt Disney Imagineering



## FVC: AT-A-GLANCE

### Demonstration Event Facts

The *FIRST*Vex™ Challenge was launched with a demonstration held at the *FIRST* Championship in Atlanta in April, 2005:

- » 53 rookie teams
- » 265 high-school students (5 per team)
- » 53 mentors (1 per team)
- » Over 60 other volunteers
- » 3 countries
  - Mexico (1 team)
  - Singapore (2 teams)
  - U.S. (50 teams from 16 states)

### Pilot Season Facts

- » 6 pilot program events
- » 1 Championship event
- » 300 teams
- » 3,000 high-school students
- » 300 mentors
- » Over 500 other volunteers
- » 31 states represented

### Pilot Season Events

- » 6 pilot program events
  - St. Louis, MO
  - Newark, DE
  - Orangeburg, SC
  - Hartford, CT
  - Duluth, GA
  - Ft. Worth, TX
- » 1 Championship event in Atlanta, GA

### Team Demographics

- » High-school-aged young people
- » Up to 10 students per team
- » 1 mentor per team

### The Robot

- » Maximum dimensions: 18" W x 18" L x 12" H

### The Kit

- » Retail value: \$300
- » Developed by Innovation First and RadioShack
- » Over 500 parts per kit
- » Features
  - Customizable, with unlimited design possibilities
  - Variety of different functions, e.g. 4-wheel robots, crawlers
  - Remote control with alternate frequencies for multiple robots to operate simultaneously
  - Programmable for autonomous functionality (programming kit required)

### The Field

- » Playing area: approximately 10' W x 14' L

### The Game

- » “Half-Pipe Hustle”
- » Operator-controlled and autonomous matches

### The Awards

- » *FIRST*Vex Challenge Award
- » *FIRST*Vex Challenge Winning Alliance Award
- » *FIRST*Vex Challenge Amaze Award
- » *FIRST*Vex Challenge Connect Award
- » *FIRST*Vex Challenge Create Award
- » *FIRST*Vex Challenge Think Award

### Fun Fact

A team from Carnegie Mellon’s National Robotics Engineering Consortium is working with Vex Robotics to create a comprehensive K-12 robotics curriculum for teachers throughout the country.

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