For Inspiration and Recognition of Science and Technology

FIRST Robotics
Lego League
VEX Challenge

http://www.usfirst.org/
FIRST Robotics

- Game changes each year
  - Six week design/build cycle!
- Kits contain all technology components required
- Teams have a budget limit on what can be added to basic kit
- Competition is not cheap (~$6K min to play per team!)
- Robots are large (up to ~ 120 lbs)
The Haverford School/UPenn Team
year 1!

http://www.haverfordrobotics.com/index.html
The Haverford School/UPenn Team
Year 2: Base Platform 2006
The Haverford School/UPenn Team
Year 3: Base Platform 2007
NJ Regional Competition 2006
Misc. Robot Designs
2006
Misc. Robot Designs 2007
Best Robotics

- Created out of the need for a lower cost alternative to FIRST
  - No cost to compete
  - Growing number of competitions around the country
  - Fall competition (Sept. 20 – Nov. 1)
  - Robots ≤ 24 lbs
Marine Advance Technology Education Center

- Underwater remotely operated vehicle (ROV) competition
  - Several design classes of increasing complexity
  - Financial support available for travel expenses
  - Design seminars available
  - Competition season is in the Spring
    - National event is near San Diego