



# Robotics Competition Program

[www.cyberkidsrobotics.com](http://www.cyberkidsrobotics.com)

(828) 292-2393

## Robotics Competition Teams

CyberKids Robotics is a non-profit education company dedicated to improving the STEM education of students in North Carolina, South Carolina and Virginia through our exciting robotics competition program. The CyberKids Robotics Competition Program is a great hands-on learning experience for children in grades four through nine. Children learn team work as well as math, science, computer programming and critical thinking skills in a fun environment. CyberKids' experienced staff works with your children and prepares them for local, state and national robotics competitions.



Teams consist of four to eight children. Each team works together to solve missions and compete against other teams in their area. Teams have the opportunity to compete on the local, state and national levels.



Each team works together to design and build a robot. They write computer programs to make their robot complete required missions. Competition teams earn points based on how their robot successfully completes required missions. Each team will have  $2 \frac{1}{2}$  minutes during the competition to earn as many points as possible.



**CyberKids will provide all the computers and robotics equipment needed!**



Each team will conduct research on a topic that coincides with the given competition. After the research has been collected, the teams will create an oral presentation to be conducted before a panel of judges.

Each practice session lasts for one hour and thirty minutes. CyberKids will schedule three hours of practice sessions per month for each team. A CyberKids coach will bring all the required computer and robotics equipment to your school for each practice session. Our coaches will teach your children to design, build and program their competition robot. Each team will apply these skills toward competing successfully against other competition teams.



CyberKids Robotics Competition Program is fun, exciting and very affordable. We will invoice the school for all the teams participating in the program. The cost for our Robotics Competition Program is \$180 per team/per month. This cost covers all the computers, software, robots and practice sessions for the team.

If a team wants to compete in the state robotics championship, there is an additional \$235 tournament registration fee that must be paid by September 7<sup>th</sup>. Also, all teams competing in the state robotics championship are required to participate in a one week robotics camp during the summer.

If you are interested in our Robotics Competition Program for your school, please call one of our Marketing Representatives at (828) 292-2393 or e-mail your request for more information to [cyberkids@charter.net](mailto:cyberkids@charter.net).

# STEM Education

## Did You Know ?.....

- Forty percent (40%) of all students test at below basic math level. (2005 National Assessment of Education Progress)
- Fifty percent (50%) of all students test at below basic science level. (2005 National Assessment of Education Progress)
- The number of engineering degrees awarded in the United States is down 20% from the peak year of 1985. (Tapping America's Potential; [www.tap2015.org](http://www.tap2015.org))
- Although U.S. fourth graders score well against international competition, they fall near the bottom or dead last by the time they are 12<sup>th</sup> graders in mathematics and science. (Tapping America's Potential)
- By 2014, there are expected to be 2 million jobs created in STEM-related fields. (Bill & Melinda Gates Foundation)
- 30 years ago, the U.S. produced the third highest number of science degrees...in 2003 we were 17<sup>th</sup>....if the trend continues, 90% of the world's engineers will live in Asia. (National Science Foundation Research)
- According to the 2006 assessment by the Program for International Assessment (PISA) of 15 year olds, U.S. students ranked 7<sup>th</sup> among the G-8 nations, 17<sup>th</sup> out of 41 nations in science, 28<sup>th</sup> out of 41 nations in mathematics - a decline of 10 places since 2000, and 24<sup>th</sup> out of 41 on problem-solving skills.
- Prospective engineers dropped from 36% of high school seniors to 6% in just ten years. (National Science Foundation research)
- In 2000, only 17% of American undergraduate degrees were in the sciences, while in China it was 56%.



The Technicians  
2009-2010 North Carolina FLL Championship  
Marion Elementary School  
McDowell County, NC

**Best Project Presentation Award  
1st Place**

The Robotics Competition Team from Marion Elementary School competed against 60 other robotics teams from across North Carolina and won the Best Project Presentation Award at the 2009-2010 North Carolina FLL Robotics Championship held at the Greensboro Coliseum. The Marion Elementary School team was coached by CyberKids Robotics.



Elek Trojans  
2009 - 2010 North Carolina FLL Championship  
C.B. Eller Elementary School  
Wilkes County, NC

### **Against All Odds Award Winner**

The Robotics Competition Team from C.B. Eller Elementary School competed against 60 other robotics teams from across North Carolina and won the Against All Odds Award at the 2009 - 2010 North Carolina FLL Robotics Championship held at the Greensboro Coliseum. The C.B. Eller Elementary School team was coached by CyberKids Robotics.



The Green Machines  
2009 - 2010 North Carolina FLL Championship  
Glen Alpine Elementary School  
Burke County, NC

**Creative Presentation Award  
2nd Place**

The Robotics Competition Team from Glen Alpine Elementary School competed against 60 other robotics teams from across North Carolina and won 2<sup>nd</sup> Place for the Best Project Presentation Award at the 2009 - 2010 North Carolina FLL Robotics Championship held at the Greensboro Coliseum. The Glen Alpine Elementary School team was coached by CyberKids Robotics.



CyberTeens  
2008 North Carolina FLL Championship  
William Lenoir Middle School  
Caldwell County, NC

### **Best Robot Design Award Winners**

The Robotics Competition Team from William Lenoir Middle School competed against 62 other robotics teams from across North Carolina and won the Best Robot Design Award at the 2008 North Carolina FLL Championship held at the Greensboro Coliseum. The William Lenoir Middle School team was sponsored by Blue Ridge Electric and coached by CyberKids Robotics.





Brown Bruin Blinky Bots  
2008 North Carolina FLL Robotics Championship  
Lawson Brown Middle School  
Davidson County, NC

**Champions Award**  
**2<sup>nd</sup> Place**

The Robotics Competition Team from Lawson Brown Middle School competed against 41 other robotics teams from across North Carolina and won the 2<sup>nd</sup> Place Champions Award at the 2008 North Carolina FLL Rookie Challenge held at the Gateway University Research Park in Greensboro. The Champions Award is the highest award given to any robotics team at the state competition. The team from Brown Middle had to excel in a teamwork interview, technical interview, project presentation and achieved the second highest team score with their robot missions to win this award.



Icebreakers  
2008 North Carolina FLL Championship  
Blowing Rock School  
Watauga County, NC

### **Judges' Award Winners**

The Robotics Competition Team from Blowing Rock School competed against 41 other robotics teams from across North Carolina and won the Judges' Award at the 2008 North Carolina FLL Rookie Challenge held at the Gateway University Research Park in Greensboro. The Judges' Award requires excellence in all areas of the state robotics competition and is one of the most prestigious awards a robotics team can win at the state championship. The Blowing Rock School team was coached by CyberKids Robotics.