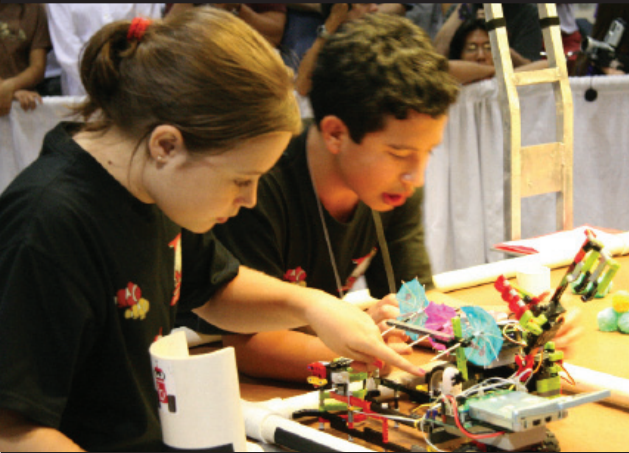


Botball® Educational Robotics Program



Our team has never been in a robotics competition before and has always wondered how robots function. Through this project we have learned how to use motors, servos, and different sensors to make a robot function not by remote control but autonomously.

First Year Botball Team
Pennsylvania/Ohio Region

GET STARTED WITH BOTBALL®

ESTABLISH YOUR TEAM

How you organize Botball and select students for your team is up to you. In the past we have seen schools and communities organize teams with anywhere from 2-30 students. Some teams participate in Botball as part of a specific class project, while others use it as an extracurricular or club activity. It is important to note that students who may not do well in traditional classroom situations have done extraordinarily well in this program, including students from continuation schools and the learning disabled.

WHEN IS BOTBALL SEASON?

Botball programs run in the spring beginning with a two-day workshop for the adult team leader and 2 guests (students or mentors). At this time team leaders learn to use the components in the Botball Kit, the IC programming language, and the current game challenge. Then team leaders take the standardized Botball Kit back to their students, who have about seven weeks to design, build, and program a pair of autonomous robots. During the 7-week building period, teams document their engineering process online.

TOURNAMENT DAY

Each team has the opportunity to show off their original robots during the morning seeding rounds followed by the exciting head-to-head double elimination rounds in the afternoon. The human team members do not control the robots during the 90-second game - all bots must start, operate, and stop all by themselves.

BENEFITS OF BOTBALL

Botball is a fun, highly engaging program that reinforces science, technology, engineering, and math concepts. It also teaches leadership, teamwork, time management, organization, and design skills. Teams are provided with the necessary programming languages and applications. After the tournament, participating groups keep their robot equipment and software licenses. Many team leaders use the kit to enhance lessons, hold school-wide robot tournaments, or organize a robotics club.



HOW TO REGISTER

- Visit www.botball.org and complete the on line registration form
- Arrange for your team's registration fee (scholarships may be available)
- Recruit students for your team
- Plan to attend the Botball Educator Workshop
- Check your e-mail and www.botball.org often for updates and information

For more information call:

(405) 579-4609

Or email: info@kiper.org

Botball is sponsored by:

