



**Wisconsin Precision Metalworking Council**  
WPMC Members: AMBA, NTMA & TDMAW

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# FAQ's

## GENERAL

### What is BotsIQ?

An integrated multi-disciplined educational robotics program that provides public and private schools with the opportunity to unleash the creative potential of students in mathematical reasoning, scientific analysis, design, fabrication, advanced control systems application, budgeting and project management skill sets. The program concepts are interactive and provide a systemic educational approach that increases in complexity as students progress through various academic levels. To that end, BotsIQ's hands-on educational methodologies support the nation's educational standards for science, math, and technology.

### What has been accomplished so far?

**TDMAW funded \$9,000 for BotsIQ instructor training.** 16 schools participated. However, two schools are unable to begin in 2006. We need to raise about \$12,000 to cover start up for several schools that have been unable to identify a sponsor.

### What type of robot are we to build or what is our task?

Our local competition will be for the BotsIQ Mini class (15 lb. weight class) combative robots. The objective for your robot is to beat or disable your opponent's robot. See the [BotsIQ Technical Regulations](#) for the Mini (15 lb.) class of robots.

### What is the size of the arena?

The arena for these 15 lb. bots is currently ten feet square. Plans are underway to increase the arena size to twelve square feet.

### Will competitions be single elimination?

No. Teams will be guaranteed a certain number of matches which will depend upon the total number of robots entered. Generally speaking, competitions will involve a two-sided bracket to allow un-defeated teams to be matched up for the championship while teams with one or more losses are moved to a consolation bracket(s). Details on that need to be worked out.

### What is the cost of the gears kit like we used in the training class?

Visit the Gears web site at <http://www.gearseds.com/products.php?category=1#>. They state you must *call* for pricing.

## MENTORS

### What is required of a Mentor?

Each of our participating schools have a trained instructor. Instructors/Students only need an estimated five to ten hours per year of technical expertise from industry experts like you! If you don't have time, consider asking your employees if they're interested.

## COMPETITIONS

### How will the competitions work?

There will be some sort of round robin competition. Your team will be guaranteed a certain number of matches which will depend upon the total number of robots entered.

- There are two ways to win a bout, 1) disabling an opponent or, 2) based on several criteria, a panel of judges will determine the winner after a 3-minute bout.
- There will most likely be a two sided bracket that will allow un-defeated teams to be matched up for the championship while teams with one or more loses are moved to a different bracket. Details on that need to be worked out.
- There will be time in between bouts for repairs.

## CONTACT INFORMATION

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