

# New York Schools Involved in Electrathon Racing

- Auburn (CNY)
- Baldwinsville (CNY)
- Cato Meridian (CNY)
- Cazenovia (CNY)
- Cicero North Syracuse (CNY)
- Cortland City Schools (CNY)
- Irondequoit HS (Rochester area)
- Ithaca (CNY)
- New Hartford (CNY)
- Newburgh Free Academy (Orange County)
- Oswego County BOCES (CNY)
- SUNY Oswego (CNY)
- Phoenix (CNY)
- Pittsford Mendon (Rochester area)
- Somers HS (Westchester)
- Sweet Home HS, (Buffalo area)

## *Breaking News!*



### 2008 Fall CNY

### Electrathon Challenge

To be held at **Oswego Speedway**

**Saturday, October 4th**

For more information, or to register  
your team go to:

*[www.nyelectrathon.com](http://www.nyelectrathon.com)*

*Get your school involved*

For more info visit:

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

Would you like to become a  
sponsor of a team or event?

Contact your school's advisor,  
or Chris Hurd

[churd@caz.cnyric.org](mailto:churd@caz.cnyric.org)

315.655.1370

For more information

# What is Electrathon Racing?



# Frequently Asked Questions About Electrathon Racing



Teams from Baldwinsville, Cazenovia, and Cicero-North Syracuse come out of turn 3 at the 2008 Spring CNY Electrathon Challenge. The event was sponsored by Carrier, and eight teams from across the state competed.

## Q: What is an Electrathon Race?

A: HS students from around the country design, build, and race electric powered race cars. There are anywhere between 5 & 10 cars racing at the same time, and the car that makes the most laps in one hour wins.

## Q: Where do they race?

A: Events may be run in large parking lots, at college campuses, and even race-tracks & velodromes. Tracks are usually at least 1/4 mile in length on a paved surface.



The C-NS Team with 2nd place trophy at the 2008 CNY Electrathon Spring Challenge at C-NS High School.

## Q: How many students on a team?

A: Each team consists of two drivers and a pit crew of 2 to 5 students.

## Q: How do students learn to design & build a car?

A: Teams will generally follow the design rules put forth by Electrathon America, and then enlist the help of a school that is already involved.

## Q: Is it safe?

A: Yes! Students have to follow strict safety rules when designing and building, and each car is thoroughly inspected before every event. Safety features include 5 point racing harness, and enclosed DOT helmets, as prescribed by NAS-CAR standards.



Driver ready to race before an event. Notice the harness, helmet, gloves and roll cage for driver safety.

## Q: How fast do they go?

A: They can reach speeds over 50 mph, but in an electrathon race for one hour, cars average around 35-40mph. You don't want your batteries to die before the end of the race!

## Q: Are there pit stops?

A: Yes. In order to involve more students, each team must switch drivers between the 20-30 minute mark. It also gives the pit crew a chance to do a safety check. Batteries cannot be changed or charged!

## Q: What kind of electrical system is it?

A: Each car usually uses 2 high current batteries, a high torque motor, and instrumentation for the driver to be able to see how the electrical system components are doing.

## Q: Where do you get Electrathon car parts?

A: Some parts are one of a kind designed and manufactured by the students or their sponsors. Sometimes parts from the automotive and cycling industry are modified for use in the cars.



Cars are designed, built, & driven by high school students.

## Q: How come I haven't heard of this before?

A: Until Last year there was only one school in Upstate NY racing, and now there are 15 schools that have signed on to race, and the number is growing.

## Q: How does my high school get involved?

A: Talk to your local HS Technology teacher, and have them contact an advisor at another school that's already involved, or go to [www.nyelectrathon.com](http://www.nyelectrathon.com), and send an email to find out how!