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FTC Registration and Costs

Registration for the 2013-2014 season is now open.

We're happy you've decided to join FTC. To begin, spend some time learning the steps to **Start a Team**. Once you're familiar with the process, select the icons below to learn about what you will need to start your team*. Then click the "Register Now" button to begin the registration process in the Team Information Management System (TIMS).

Program Registration — Required

FTC Samantha WiFi Module — Required

LEGO MINDSTORMS NXT — Required

TETRIX — Kit of Parts Option A

MATRIX ROBOTICS — Kit of Parts Option B

Programming Language — LabVIEW — Programming Language Option A

Programming Language — ROBOTC — Programming Language Option B

Event Registration — Required

Additional Season Costs — Optional

Register Now

>>**Click here to learn about the Rookie Team grant available for the 2013-2014 FTC Season!**

*Once you register your team, you will receive instructions on how to obtain your season materials

Additional registration resources:

- **FTC Sample Budget** (PDF)
- **Learn about the Kit of Parts**
- **Student Team Information Management System (STIMS)** - Online consent and release form. Visit the **FAQ** for more info.

- **Consent and Release Form (English)**
- For assistance with the FTC TIMS Registration System, please call (800) 871-8326.

FTC Tournament Event Registrations:

Once you have registered with FTC, find an event(s) in your region by visiting **Teams and Events in My Area**.

Events are organized by our volunteer Affiliate Partners, so the registration process and costs vary from event to event.

Tournament event registration fees are paid to the event organizer, not directly to FTC.

For questions regarding event registration, please contact your local **Affiliate Partner**.

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FTC Program Registration

$275 - Payable to *FIRST* via your Team Information Management System (TIMS) account.   Your registration fee allows you to register for locally organized competitions, gives your team access discounted robot kits and parts, a free copy of National Instruments LabVIEW for LEGO MINDSTORMS 2012 and access to the FTC Game and Robot Forum.
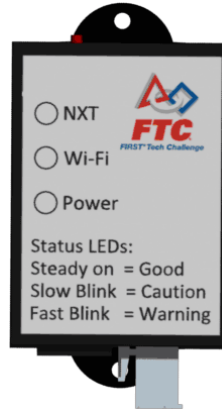
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Samantha WiFi Module

$85 – All teams must have a Samantha WiFi Module in order to connect with the Field Control System at FTC competitions. This module allows the LEGO MINDSTORMS NXT to communicate over a WiFi network.

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LEGO MINDSTORMS NXT

All teams must have a LEGO MINDSTORMS NXT to participate in the *FIRST* Tech Challenge. The NXT is the processor that will act as your robot's brain. You will write, compile and download computer programs onto the NXT using either LabVIEW for LEGO MINDSTORMS or ROBOTC programming languages.

The LEGO MINDSTORMS NXT is sold through LEGO Education North America and can be purchased separately for $265 or bundled as part of the TETRIX Competition Kit.

Cost:

LEGO Educations Mindstorm Kit - $265

TETRIX Competition Kit (includes NXT) - $665

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TETRIX Kit of Parts

TETRIX is one of the two Kit of Parts design system authorized for FTC Teams. The kit featuring heavy-duty, aircraft-grade aluminum elements for construction, powerful drive motors, and expandable capabilities.

The trademarked hole pattern on TETRIX structural pieces is unique to this system and enables you to attach pieces together at angles, such as 45°, as well as horizontally and vertically.

2013-2014 TETRIX® Kit of Parts (Optional) (with LEGO MINDSTORMS NXT) - $665

2013-2014 TETRIX® Kit of Parts (Optional) (without LEGO MINDSTORMS NXT) - $450

2012-2013 TETRIX® Resource Kit (Optional) - $199

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MATRIX Kit of Parts

MATRIX is one of the two Kit of Parts design systems authorized for FTC Teams. The kit features a quick prototyping system; industry standard hardware, motors, and servos; two systems in one – small gauge for intricate mechanisms and large for heavy duty structures.

MATRIX is based around a joiner system and is based on an 8mm grid hole pattern. This makes it compatible with LEGO and easy to design and build your robot.

You will need to purchase your LEGO MINDSTORMS NXT through the LEGO Education website for $265.

Cost:

MATRIX Bundled Kit - $400

Bundle includes: MATRIX Base Set, MATRIX Competition Set, HiTechnic IR Seeker, HiTechnic IR Beacon

MATRIX Base Set - $296

MATRIX Competition Set - $199

HiTechnic IR Seeker - $49.95

HiTechnic IR Beacon - $38.95

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LabVIEW for LEGO MINDSTORMS 2012

$0 - LabVIEW for LEGO MINDSTORMS is a graphical programming environment for FTC Teams. LVLM 2012 is fully compatible with the TETRIX and MATRIX building system and allows students to visually control, compile and download their programs onto your Team's LEGO MINDSTORMS NXT.

National Instruments generously donates LVLM to every registered and paid FTC Team.

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ROBOTC 3.x

$49 - $499 - ROBOTC is a LEGO MINDSTORMS
NXT programming language for FTC Teams that is
fully compatible with TETRIX and MATRIX building
systems. ROBOTC is a C-based programming
language featuring a real-time debugger.

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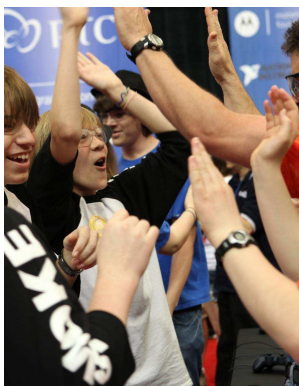
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FTC Event Registration

$0 - $300 – Once you have registered your team as an official FTC Team, you must also register for a local tournament. FTC tournaments are organized locally by our affiliate partners and costs vary from region to region.
Visit **www.usfirst.org/whatsgoingon** to find registration details for an event near you.

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Additional Season Costs

$0 - $1,000 – These costs will vary based on your team's level of involvement in FTC. Some additional costs you may want to budget for might include: t-shirts and team marketing material, electronics such as a router, game elements, travel costs, food, spare parts, etc.

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