

Introduction

What is the FIRST® Tech Challenge Mentor's Guide?

The purpose of the FIRST® Tech Challenge Mentor's Guide is to:

- Provide new Mentors with a foundation of knowledge and ideas to get their teams up and running smoothly in the FIRST Tech Challenge.
- Familiarize new Mentors and team members with the FIRST experience.
- Help returning Mentors develop a deeper understanding of the mentoring process as their FTC® team evolves.

The guide focuses on the skills and concepts needed for the development of the following general goals:

- Making the mentoring process easier for newly-established and veteran teams.
- Providing a clear understanding of the mentoring process and relationship.
- Developing reciprocal learning between student and Mentor.
- Providing Mentors with general Information, tips, best practices, organizational tools and strategies, planning tools, and guidance to manage a team effectively throughout the season.

What is the TETRIX® Getting Started Guide: FTC® Extension?

The *TETRIX® Getting Started Guide: FTC® Extension* is a resource created in cooperation by FIRST®, LEGO® Education, and Pitsco. This extension is available free of charge to all FIRST Tech Challenge participants. It has been created to provide teams with key experiences for successful participation in FTC and includes extension activities that help teams get familiar with the Samantha module, Field Control System, and advanced programming techniques for a successful start in FTC. For hands-on activities and support materials specific to FTC, go to <http://www.TETRIXrobotics.com/FTC>.

The *TETRIX Getting Started Guide: FTC Extension* builds on the knowledge and general TETRIX building and programming experiences gained from the *TETRIX Getting Started Guide*, available at <http://www.TETRIXrobotics.com/GettingStartedGuide/>.

Note: It is suggested that users begin with a thorough review of the materials and resources available in the *TETRIX Getting Started Guide*, before moving into the FTC-specific *TETRIX Getting Started Guide: FTC Extension*. Additional materials to bring TETRIX and robotics into classrooms and extra curricular clubs can be found at www.LEGOEducation.us.