



2019-20 FIRST® Tech Challenge Rookie Team Sample Budget

Item	Estimated Budget	Category	Details
Required Expenses			
Team Registration	\$275	Participation Costs	FTC team registration fee (required).
Idaho Championship Fee	\$110	Participation Costs	Event fees vary by region. If you wish to compete outside Idaho, please contact that region's affiliate partner for details.
Travel to Idaho Championship	\$250	Travel	Championship is held in late February each year. Most teams will need to provide team transportation to the Championship.
Team Hotel & Food for Championship	\$1,000	Travel	Most teams will need to plan to spend at least one night in a hotel for the Championship.
Competition Set	\$444 - \$639	Robot Supplies	Rookie teams will need to start with a basic kit of parts. Cost varies depending on which kit a team chooses. Please see other side of this sheet for kit of parts options.
Control & Communication Set 2	\$249	Robot Supplies	Rookie teams will need to order the full kit, including phones, cables, and gamepad controllers.
Electronics Modules & Sensors Set	\$129	Robot Supplies	Rookie teams will need to order this set, which includes the REV Robotics Expansion hub, which controls motors, sensors, and servos, power switch, and basic sensors and cables.
Field Elements (partial field set)	\$300	Game Practice Supplies	Optional, but highly recommended. Actual game pieces used in the tournament for practice.
Sub-Total of Required Costs*	\$2,757 - \$2,952		Estimated Cost of Required Items for Rookie Teams
Other/Optional Expenses to Consider			
Tools	\$200-\$500	Shop Supplies	Rookie teams will likely need to invest in purchasing or replacing some tools each season.
Misc. Parts & Supplies	\$200	Robot Supplies	Additional parts and supplies for robot construction.
Team T-Shirts	\$200	Team Supplies	Most teams have a team shirt or uniform for competition. Selling sponsor space on shirts is a popular fundraising option.
Team Promotion/Pit Display	\$150-200	Team Supplies	Most teams like to decorate their pit area at the Championship and trade buttons or other small items with other teams.
Shipping Costs, Office Supplies & Misc.	\$300-500	Team Supplies	Shipping & handling, sales taxes, fundraising expenses, general supplies for the team.
<p>Note: Other/Optional Expenses are provided to assist with total team budget planning only. Your costs may vary, as your team may already have some items or be able to get in-kind donations from local businesses.</p>			

*Please note: Estimated Budget amounts on this sheet do not include applicable sales tax or shipping fees.

2019-20 *FIRST*® Tech Challenge Rookie Team Kit of Parts Options

FIRST Tech Challenge allows teams a lot of creative freedom in the parts they may use for their robots. As long as the robot complies with all Robot and Inspection Rules found in Sections 07 and 08 of the *FIRST* Tech Challenge SKYSTONE Game Manual Part 1, you may use off the shelf parts, alternative materials (I have seen successful competition robots with elements made from plywood, roofing shingles, linoleum samples, and carwash sponges) or custom-made (3D printed or custom fabricated) parts to build your robot.

Purchase of a starter robot kit is not required, however, it is highly recommended that rookie teams do so, because the starter kits will provide a good foundation for teams to build from both this season and in the future. Below are the most popular FTC starter kits currently on the market. If you have questions about a particular kit, please contact our office and we can put you in touch with an experienced team who can answer your questions.

Kit of Parts	Retail Price*	Bill of Materials Can Be Viewed At:	Where to Buy
REV Robotics <i>FIRST</i> Tech Challenge Competition Set	\$444 or \$600	https://www.firstinspires.org/sites/default/files/uploads/resource_library/ftc/rev-bom.pdf	<i>FIRST</i> Storefront (can be bundled at the discounted price with team registration) or full retail at www.revrobotics.com
TETRIX <i>FIRST</i> Tech Challenge Competition Set	\$532	https://www.firstinspires.org/sites/default/files/uploads/resource_library/ftc/tetrix-bom.pdf	<i>FIRST</i> Storefront (can be bundled with team registration)
ActoBotics FTC Competition Kit	\$479	https://www.servocity.com/ftc-competition-kit	www.servocity.com (price shown reflects team discount available after team registration is paid through <i>FIRST</i>)
GoBilda Master FTC Kit	\$479.99 (2018-19 kit price)	https://www.gobilda.com/master-ftc-kit-2018-2019-season/	www.gobilda.com (price shown reflects team discount available after team registration is paid through <i>FIRST</i>)

*Please note: all pricing information accurate as of 7/12/19. Prices are subject to change. Applicable sales tax and shipping and handling not included.



For additional information, please contact:

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