



UTEP COLLEGE OF ENGINEERING

20223-2024 FIRST FAMILY OF ROBOTICS COMPETITIONS

		FLL Explorer	FLL Challenge	FTC	FRC
Team	Grade (Ages)	K-4 th (6-10)	4 th -8 th (9-16)	7 th -12 th	9 th -12 th
	# of Students per Team	min 2; max 6	min 2; max 10	max 15	no limit; min 10
	# of Adult Mentor or Coach	2 but allowed to coach multiple teams	2 or more	2 or more	2 or more
Robot	Robot Type	LEGO® Education SPIKE™ Essential or WeDo 2.0	LEGO® NXT or EV3 or SPIKE™	TETRIX - Matrix & Android	AndyMark + NI + other
	Components	Research & LEGO® Model	Robot, Research, Teamwork	Robot, Outreach, Engineering Notebook	Robot, Outreach, Business Log
	Game & Field	1 team on 3' x 3' display on table	1 team on 93" x 45" mat on table	2 alliances of 2 team on 12' x 12' field on floor	2 alliances of 3 team on 27' x 54' arena on floor
Competitions	Top Award	N/A		Inspire	Impact
	Qualifying Event(s)	N/A	Qualifier A & B at area schools or community venues	3 League Meets at area high schools + League Championship	Various District Meets all over Texas
	Event at UTEP	Exposition	Championship	League Championship	possible District Meet
	Advancing from El Paso	N/A	Western Edge, CA FIT State, Stafford, TX Razorback Invtnl, AK	West & Panhandle Regional Championship, Lubbock, TX	TBD
	see Advancing from El Paso on respective websites				
Support	UTEP Support	Workshops: kick-off, admin support, tech support and hosting of advancement events			
	FIRST® In Texas FIT Support	Team grants via re-granting system link to https://firstintexas.org/grants/apply/			
	FIRST® Support	Corporate and national grants available to apply to. Restricted grants available for national registration fees.			
	FIRST® Support in the Classroom	LEGO® Duplo Inspire and Discovery Sets	LEGO® Spike		
Expenses	National FIRST® Team Registration	\$125	\$295	\$295	\$6,000
	Robot	\$445 (Spike Essential)	\$450 (Spike Prime)	starting a \$1,785	max \$5,500
	Competition Field	Explorer Set	\$95 (Challenge Set)	\$659	N/A
	Challenge Components	Part of Explorer Set		\$350-\$460	included with the Field
	Local UTEP Registration	\$35	\$150	\$250	see FIRST® in Texas
	Other Expenses (e.g. uniforms, give-a-ways, project materials)	Up to \$300	Up to \$900	Up to \$2500	Varies

RED = not confirmed