



Handbook 2018-2019



FIRST: <https://www.firstinspires.org/>

State: <http://firstintexas.org/> and <https://www.uil texas.org/academics/stem/robotics>

Regional FTC: <https://sites.google.com/site/sjcfirsttechchallenge/>

Regional FLL:



@wildkatrobotiks

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I. Purpose and Overview of the Program in Willis ISD

According to the Office of Science and Technology Policy, STEM occupations in the United States are growing 1.7 times faster than non-STEM occupations. Our purpose is to help inspire and prepare the students of Willis ISD for these careers. We seek to engage students to become science and technology leaders not just in high school, but in every pursuit thereafter.

To achieve this, Willis ISD is seeking to start the *FIRST*® Robotics program with challenges at every grade level that build capacity for 21st century skills in students from year to year. Students will learn to problem solve as a team engaging in the use of technology and innovation to find solutions to each year's challenges.

Program Goals

Our goal is to develop a self-sustaining, student-led robotics program in Willis that extends from elementary through grade 12.

Students in the program will grow in the areas of science, technology, engineering, and math (STEM). The students will experience principles of design and function through the process of building and programming robots. Students will work collaboratively in a safe environment while developing solutions to the new game or challenge provided by *FIRST* every year.

We will uphold the *FIRST* core values of gracious professionalism and “coopertition” both on and off the field for all students and volunteer coaches. “Coopertition® produces innovation. At *FIRST*, Coopertition is displaying unqualified kindness and respect in the face of fierce competition. Coopertition is founded on the concept and a philosophy that teams can and should help and cooperate with each other even as they compete.” We will build student capacity in the invaluable life skills of problem solving and critical thinking, all while having fun.

FIRST Core Value are:

- **Discovery:** *We explore new skills and ideas.*
- **Innovation:** *We use creativity and persistence to solve problems.*
- **Impact:** *We apply what we learn to improve our world.*
- **Inclusion:** *We respect each other and embrace our differences.*
- **Teamwork:** *We are stronger when we work together.*
- **Fun:** *We enjoy and celebrate what we do!*

History of Wildkat Robotiks

Wildkat Robotiks began in the fall of 2016 when we applied and succeeded in receiving a grant from the LEGO® Foundation to bring *FIRST* LEGO League Jr. to Willis ISD. Our goal was not only to bring the program to Willis, but also to focus on including traditionally underserved students - low socioeconomic status, minority, and female students.

During the 2016-17 school year, Willis ISD started the our program focused on providing the *FIRST* LEGO League Jr. program to third and fourth grade students at four elementary school campuses. We were successful in our goal and served 135 students on twelve teams facilitated by eleven volunteer teachers. In February of 2017, twenty-four teams of six students in two waves guided by campus teacher volunteers met one or more hours per week for eight weeks after school to research, learn, and develop a model that they would eventually share at one of two *FIRST* LEGO League Jr. Expo nights.

During the 2017-18 school year, Wildkat Robotiks received a Team Grant to start a *FIRST* Tech Challenge team at Willis High School. Ten students designed and built a robot to competed in the Relic Recovery Challenge. In their first year, the team qualified for and competed at both the Southeast Texas Regional

FIRST Championship (state-level event) and UIL Robotics State Championships where they placed 10th in the 5A-6A division.

WildKat Robotiks continued *FIRST* LEGO League Jr. at four elementary school campuses with the Aqua Adventure challenge. 144 additional students in grades three and four learned about how water gets from the source to their home. The challenge had student teams research and develop one way to improve the journey of water. Students shared their LEGO model and research with others at the *FIRST* LEGO League Jr. Expo nights. Many family members, friends, educators and community members attended to support Willis students and the flourishing program.

Over the course of two years of implementation of *FIRST* LEGO League Jr. in Willis ISD, we have served 255 students in grades 3 and 4. This number will continue to grow as the program does in Willis with more options for students at different grade levels.

II. Structure of the Program Leadership

District Level Administration

At the district level, the Advanced Academics Coordinator and Science Coordinator organize and administrate the program district-wide, which includes providing training for campus sponsors/team coaches, organizing district events, setting district budgets for all levels of the *FIRST* robotics program, seeking fundraising, sponsorship, and grant opportunities for teams to expand *FIRST* so as to impact more students. Additionally, they promote and educate Willis ISD and surrounding communities on both the benefits the *FIRST* program within Willis ISD and the successes of its student participants.

Campus Level Administration

The support of campus administration validates the message that learning through problem solving is valued and worthy of celebration. Campus administrators are encouraged, but not required to open their classrooms for team practices and/or support teams with transportation to the regional tournament. In the event that a campus team advances to regional or championship-level tournaments, campus administration must be prepared to send their campus sponsor/team coach to support supervision of students.

Campus Sponsor/Team Coach

A Campus Sponsor/Team Coach is a campus staff member who is responsible for local (campus) marketing of the program, assessing participation, managing a team to serve interested students, supporting team formation, team member recruitment, assisting with paperwork, and chaperoning teams in the event of tournament advancement. Campus Sponsors/Team Coaches serve as the liaison between teams, families, campus and district level administration. Campus Sponsors/Team Coaches will recruit volunteers as needed for tournaments and events. They understand the goals of *FIRST*, expectations and rules of the game or challenge. Team Coaches act as facilitators throughout the many facets of the engineering process, and as needed, helps them find resources or support to solve problems. They stay on the sidelines and “manage” the team’s progress towards their goals. Team managers can encourage teams to solve their own problems by asking questions and settling debates among team members. Campus Sponsors/Team Coaches who are district staff will be eligible for a stipend (\$300 for FTC, \$150 for FLL).

Mentors

Mentors are a key role in *FIRST*, especially at the FTC and FRC levels. Mentors can be persons of any age, teaching others what they know. They bring technical or non-technical expertise to the team, and provide opportunities for students to learn directly through experiences.

Parent Supporters

Although parent supporters do not serve in an official capacity, their role is the heartbeat of any successful team. Because Campus Sponsors/Team Coaches contribute a significant amount of time and effort, it is essential that parent supporters are cooperative, helpful, and engaged in the process. It is also important that parents properly prepare their child for the challenges and rewards of collaborating with a team. Parents can get involved by:

- serving as an extra set of hands at a meeting
- mentoring the team with requisite skills
- making connections to possible team sponsors
- being a go-fer when materials are needed
- assisting with transportation of equipment to and from meetings, events, or tournaments
- provide snacks and treats for meetings
- help the team with PR within the local school and community.

III. Student Eligibility

Who Can Participate

At present, *FIRST* robotics programs in Willis ISD are available for any 3rd-4th*, and 6th through 12th grade student attending a Willis ISD School. Any student may participate.

Since FIRST Robotics is a UIL activity at the high school level, all students participating in FIRST Robotics programs in Willis ISD (FLL Jr., FLL, or FTC) are expected to maintain both good academic standing (passing all classes), as well as maintain good behavior in his or her courses, extracurriculars, and other school activities, per [UIL guidelines](#).

Willis ISD Levels of Participation

At current, there are three levels of teams in the Willis ISD *FIRST* Robotics Program.

- *FIRST* LEGO League Jr. (FLL Jr.): 3rd* through 4th grade only; *FIRST* LEGO League (FLL) 5th grade*
- *FIRST* LEGO League (FLL): 6th through 8th grade
- *FIRST* Tech Challenge (FTC): 9th through 12th grade

** Some campuses may pilot the inclusion of 2nd grade students on teams for the 2018-2019 FIRST LEGO League Jr. competition season based on willingness of Campus Sponsor/Team Coach. One campus may pilot FIRST LEGO League on an elementary campus so as to include an option for 5th grade, based on willingness and availability of Campus Sponsor/Team Coach.*

IV. Team Expectations

Team Members: Meeting & Activity Attendance & Participation

- Behave as you would in school: Regardless of whether your meetings are held at school or in someone's home, behavior that is inappropriate at school is inappropriate at robotics meetings. You may be sent home from a meeting if you are interfering with the group's progress via attitude or misbehavior
- In robotics, all ideas are worth hearing.
- Being on a team means being responsible for your share of the tasks. If you volunteer to do something or have a task to complete before the next meeting, follow through or you are impeding your team's progress to a solution.
- It's fun to work on your team's solution, but your schoolwork needs to come first. Make sure that spending time on robotics is not keeping you from doing your school or homework, otherwise, you might become ineligible to participate [per UIL guidelines](#).

Parents/Guardians: Meeting & Activity Attendance & Participation

- Please be considerate of the Campus Sponsor's/Team Manager's time as a volunteer. Be prompt when dropping off or picking up at meetings.
- Do not schedule appointments for your child during the time usually reserved for the team's regular meeting. In robotics team meetings, every team member is needed since there are so many component parts of the competition.
- Helping the team by being a go-fer, assisting the Campus Sponsor/Team Coach at a meeting, shuttling students for competition, or providing a snack are ways you can help. Please try to say YES when the Campus Sponsor/Team Coach asks for something.
- If you have any concerns about your child, the team's progress, or the Campus Sponsor/Team Coach, communicate with the appropriate party. Don't wait for a small problem to become a big one. Tell the appropriate Campus Sponsor/Team Coach, Campus Administrator, or either the [District Advanced Academics](#) or [District Science Coordinator](#).

Campus Sponsors/Team Coaches: Meeting & Activity Attendance & Participation

- Campus Sponsors/Team Coaches need to give team members and their families/guardians monthly meeting calendars so that everyone knows when and where meetings will be held as well as set up a consistent system of communication (Remind App, Google Classroom, text group, or email blast, etc.).
- Campus Sponsors/Team Coaches should work hard to make sure that every team member has a chance to contribute his or her unique skills and talents to the solution of the *FIRST* robotics challenge for the season, per their level. In all teams there are members who are outgoing and assertive, and members who are quiet and less likely to volunteer ideas – Campus Sponsors/Team Coaches should make sure that all members of a team feel comfortable sharing ideas and expertise.
- Campus Sponsors/Team Coaches act as facilitators of the team but should be both physically and mentally present within team meetings and activities so as to facilitate skills acquisition and team progress toward achieving their goals and solving the challenge and all its components, not completing unrelated tasks (i.e. paperwork, grading, running tutorials).
- Campus Sponsors/Team Coaches MAY NOT have competitive goals for the team. A Campus Sponsors/Team Coaches role in a *FIRST* Robotics is to oversee the process, to help the team organize itself to meet its own goals. Many teams in your region may not advance to a state-level or the *FIRST* Championships. Encouraging your team to put forth their best effort is different from pushing the team to win. Over-emphasizing “winning” rather than “best effort” may result in the team feeling a sense of failure at anything less than First Place. Campus Sponsors/Team Coaches need to remember that a) The emphasis should be on the PROCESS of coming up with a valid solution to the challenge, b) being able to talk to judges about the journey, and c) Above all else, robotics is FUN!

Student Behavior Expectations

Students participating on a Willis ISD *FIRST* Robotics team are encouraged to exceed the Willis ISD Student Code of Conduct. Specific behavior expectations are listed below:

- Must have all E's/S's in conduct for elementary, and no discipline referrals
- Grades must show they are academically successful
- Must have a good school attendance record (No excessive absences or tardies)
- Must show leadership as well as good decision-making capabilities
- Must work well in groups and be able to listen with an open mind.

Campus Sponsors/Team Coaches who deem a student has violated an expectation within the code of conduct must contact the child's parent, Campus Administrator, as well as either the District Advanced Academics Coordinator or District Science Coordinator to discuss next steps.

Attending Regional Tournaments or Trainings

Every Willis ISD sponsored team is expected to attend their regional tournament (FLL and FTC), or showcase their solution at the in-district Expo event (dates TBD).

Understanding that teams are presenting their solution to the season's challenge as part of a competition, the district recognizes presenting at the Regional tournament as the most valuable part of the *FIRST* experience. Every team, regardless of presentation level, deserves the opportunity to showcase their solutions. Volunteers Judges and Referees are trained in providing positive feedback and encouragement to every team. It is expected that Campus Sponsors/Team Coaches work with their parent supporters and to ensure their team members complete the full season of *FIRST*. In the event that a team needs to disband prior to the regional tournament or expo event, it is imperative that communication is made with the campus administrators and district coordinators.

V. Program Event Structure

Registration of all Willis ISD *FIRST* robotics teams includes an electronic application via Google Form for sponsorship Willis ISD. A completed application includes campus sponsor/team manager full name, program level, and all team member names, grades, birthdates, parent/guardian contact information, and t-shirt sizes. Once the application is submitted, teams will be notified of their sponsorship status. Teams will receive team numbers thereafter, as well as access to that season's challenge materials. Further online registration by student team members/families will need to occur through the [FIRST portal](#) after team formation.

Team Meetings

Teams must select a designated space to conduct team meetings, SECURELY store equipment, and practice. With building principal approval, this space may be the campus in areas such as classrooms, cafeterias, libraries, or other areas deemed appropriate for program needs. Campus and district administrators shall be apprised of scheduled meetings and locations (***and changes thereto***); however, they will not be required to be in attendance at all practices.

League Meets and Regional Tournaments

Based on the level of the *FIRST* program, Willis ISD belongs to different regions and leagues for competition purposes.

FIRST Tech Challenge (FTC): The team from Willis High School belong to the Southeast Texas Region, North Houston League.

FIRST LEGO League (FLL): The team(s) from middle school in Willis ISD participate in a league event with Hunstville ISD.

FIRST LEGO League Jr. (FLL Jr.): The teams from all elementary schools in Willis ISD that participate in Willis ISD participate in an in-district event at this time.

Generally, each league or region hosts one or more qualifier tournaments that provide teams the opportunity to share their approach and solution to their level's challenge for the season, as well as compete against other teams depending on level of *FIRST*. Some competitive teams may earn the opportunity to advance to either their regional, super regional, state, or UIL tournament..

FIRST Championship

FIRST competitive teams that advance past regional tournaments may be invited to participate in the *FIRST* Championship. The championship is a four-day event that celebrates all levels of the *FIRST* program. In April of 2018, more than 30,000 students on 1,400 teams from 74 countries, with 6,000 coaches and mentors, and 2,400 event volunteers competed at *FIRST* Championships and were cheered on by an additional 70,000 supporters, sponsors, and spectators in person and online. Due to the overwhelming participation in *FIRST* from students across the globe, both Houston and Detroit have been designated as host cities of the *FIRST* Championship since 2018, and will host through 2020.

VI. District-Sponsored Travel & Accommodations

League Meets and Regional/Super-Regional Tournaments

The school district is responsible for team transportation to and from the regional tournaments. League meets and regional tournaments events are one-day events, which do not require overnight lodging.

Affiliate Tournament

Willis ISD will also provide transportation for advancing teams and chaperoning adults to the state-level *FIRST* tournaments, UIL events, or *FIRST* Championship World Festival which may be multi-day events which require overnight travel. Students must follow Willis ISD regulations for school-sponsored overnight trip. **Just as on a regular field trip, parents cannot transport students in their private vehicles throughout the duration of the trip.** With prior written consent, ***parents may opt-out of district transportation returning from the tournament.***

Overnight lodging for the state-level or higher tournaments are arranged by Willis ISD central office. Team members are to lodge as a team so as to facilitate the team experience, as well as provide additional work time or practice as needed. Team members are assigned to a hotel room with same gender peers from their team or competitive level. Chaperoning adults are placed in rooms nearby or adjacent when available. Accommodations for students cannot be changed or altered during the duration of any trip unless directed by a district chaperone. Parents are not permitted to enter team hotel rooms except to support unpacking and packing (with team manager/district chaperone supervision).

FIRST Championship World Festival

Willis ISD provides transportation for advancing teams and chaperoning adults. Students must follow Willis ISD regulations for a school sponsored overnight trip. Parents will not have the option to opt-out of district transportation returning from the tournament.

FIRST Championship World Festival is a multi-day event, that through 2020 is located in Houston at both the George R. Brown Convention Center and Minute Maid Park. in their residential facilities or in nearby hotel rooms as deemed preferable for each team. Team members will be assigned to a room with same gender peers from their team. Chaperoning adults will be placed in adjacent or nearby rooms. Parents are not permitted to enter team rooms except to support unpacking and packing (with team manager/district chaperone supervision). The Global Finals staff provides adequate security and protection to keep the thousands of student attendees safe and secure.

Team members will receive an all access pass that includes all meals, access to competition and recreation areas, special events and pin trading locations.

Supporters

A successful robotics trip involves lots of quality time spent with family supporters during meals and public activities. Most importantly, family supporters respect the guidelines and expectations of the district-sponsored trip, while lending a supportive and helping hand. The safety of students is the number one priority.

Independent Teams (non-Willis ISD affiliated)

Teams that determine the travel expectations do not meet their needs are encouraged to create an independent team. Independent teams will not have access to any funding or facilitating of tournament registration or travel.

VII. Willis ISD *FIRST* Robotics Important Dates (2018-2019)

<i>FIRST</i> Level	Date(s)/Time(s)	Event/Details
<i>FIRST</i> LEGO League Jr. (FLL Jr.)	August 1, 2018	"Mission Moon" Global Challenge Release
<i>FIRST</i> LEGO League (FLL)	August 1, 2018	"Into Orbit" Global Challenge Release
<i>FIRST</i> LEGO League (FLL)	August 2018-October 2018	Build and Practice Season for Into Orbit
<i>FIRST</i> Tech Challenge (FTC)	September 8, 2018 9:00am-12:00pm	"Rover Ruckus" Global Challenge Release & Kickoff (TENTATIVELY @ NASA Johnson Space Center)
<i>FIRST</i> Tech Challenge (FTC)	September 2018-January 2019	Build and Practice Season for Rover Ruckus
<i>FIRST</i> LEGO League Jr. (FLL Jr.)	October 2018-June 2019	Expo Event Season for Mission Moon
<i>FIRST</i> Tech Challenge (FTC)	October 2018-February 2019	Qualifying Season for Rover Ruckus
<i>FIRST</i> LEGO League (FLL)	November 2018-March 2019	Tournament Season (League and/or Regional Qualifiers) for Into Orbit
<i>FIRST</i> Tech Challenge (FTC)	December 2019-March 2019	League Meets and Regional Tournaments for Rover Ruckus
<i>FIRST</i> Tech Challenge (FTC)	February 23, 2019	SE TX Regional Tournament San Jacinto College, Spencer Highway, Pasadena, TX
<i>FIRST</i> Tech Challenge (FTC) for those that qualify	April 4-6, 2019	UIL State Robotics Competition Palmer Events Center Austin, TX
ALL Levels that qualify to advance - FLL Jr., FLL, and FTC	Wednesday-Saturday, April 17-20, 2019	<i>FIRST</i> Championship & World Festival George R. Brown Convention Center & Minute Maid Park Houston, TX

Student Name:

DUE DATE:

Campus:

Received:

FIRST LEGO League Jr. (FLL Jr.) Team Member Application: 2018-2019

Please complete this form to indicate your interest in participating as part of the FLL Jr. team(s) on your campus.

Student and Parents/Guardians need to complete this form together as all sections and questions must be answered or completed for review and some parent/family input is required.

STUDENTS: This application is your “first impression” to the FLL Jr. team coaches. Consider this like a job application, be honest but provide as much info as possible. Many students are trying out for limited spots on teams. Good Luck!

Student Name:

DOB:

Grade:

Campus:

Homeroom/Per 1 Teacher:

T-shirt size (circle one) YS YM YL AS AM AL XL 2X 3X

[Wildkat Robotiks shirts will be worn at district and regional events and/or tournaments, as well as beyond should the team advance to a State or World Championship; students grow, so please plan accordingly]

Parent/Guardian Name(s):

Primary Parent/Guardian Cell:

Email:

Home Address/City/Zip:

Schedule Availability: Robotics team participation requires is a commitment of time and effort; with teams being limited to 6 students, it is all hands on deck in terms of success. As tournaments get close, teams may need to meet more often.

PLEASE NOTE (X) WHEN YOUR CHILD IS NOT AVAILABLE due to prior engagements (sports, band or music lessons, Scouts, dance, cheer, Destination Imagination, religious or other other activities, etc.)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
After school until 6pm						
Evenings after school 6pm+						
Weekend mornings 9am-12pm						
Weekend afternoons						
Weekend evenings						

I am also involved in or plan to be involved in the following, from October to May (list any other activities like sports, band, UIL, One Act Play, Destination Imagination, Scouts, dance, cheer, religious or other other activities, etc.):

Previous robotics experience (circle one):

Yes

No, I am new here!

If yes, please elaborate below:

What challenges me most in robotics is:

What robotics means to me is:

What are some special talents, skills, or interest that you as a team member would bring to and share with your team to make them more successful? (circle any and all that apply)

Computer/Technology applications wizard	Quick thinking	Staying on task	Public speaking
Hard worker	Painting, drawing, or graphic design	Leadership skills	Problem Solving
Good reader	Writing &/or Communication	Mechanical or Technical	Like to & good at building things
Like to design & invent things	Like to make timelines, lists, & schedules	Listens well	Good at research
Multimedia Skills	Detail oriented & organized	Follow through	Other (please explain)

Please find a teacher on your campus that can attest to some or all of the skills circled above. Please have him or her write a brief statement as to how you might contribute to your team’s success.

Teacher Signature

Date

Team Member Parent Information & Acknowledgment

Parent/Guardian Volunteer Policy: For team success, it is important that parents/guardians support our Wildkat Robotiks FLL Jr program by volunteering in some way. Here are some ways you can help:

- I will be willing to participate in fundraising activities or help find sponsors for the Wildkat Robotiks Program
- I would be willing to gather materials for team meetings based on a list provided by the Team Coach and send them to the meeting.
- I would be willing to provide space for the team to hold their meetings, build things, or store materials.
- I want to be a parent “go-fer” - bring snacks, help with transportation, etc.
- I am willing to be an “extra pair of hands” to help the team managers with a few meetings
- I will be willing to help the team locate resources for information, research they ask for, or a mentor for the space-related theme of this year’s challenge
- I am willing to teach students “robotics skills” (coding, building, design and planning, graphic design)
- I am willing to...

Parent Resources/Skills

What are some special talents, skills, or interest that you as a parent/guardian volunteer could teach or share with the students to make them more successful? (circle any and all that apply)

Tech Wizard	Painting/ drawing/design/ sculpture	Leadership skills	Public speaking
Good at research	Creative or technical writing	Mechanical/Technical expertise	good at building things/engineering skills
Organization	Problem Solving	Power Tool Usage/Instruction	Other (please explain)

Team Travel Arrangements:

In order for a student to participate, each parent/guardian must read and understand the travel arrangements as stated in the Wildkat Robotiks Handbook should their team qualify for state affiliate and/or Championship World Festival tournaments. All Willis ISD teams must adhere to the [travel arrangements as stated in the Wildkat Robotiks Handbook](#). Parents/Guardians that feel the travel arrangements do not meet their needs are encouraged to form independent teams. ***A complete student application has the parent/guardian initial on the following statement:***

	I have read the Wildkat Robotiks Handbook and agree to the terms of travel in the event of advancement.
--	---------------------------------------------------------------------------------------------------------

Please read the statements below to complete the student application:

- I have read the [Wildkat Robotiks Handbook](#) and understand the time and team commitment and expectations for students, parents/guardians, and team managers.
- I understand how important it is that my child attend team meetings regularly, including outreach events, district events, league meets or regional tournaments..
- I understand that I am responsible for my child’s transportation after school hours.
- I understand that team managers are volunteering their time and should not have to bear all financial costs.
- I understand that the Willis ISD and Wildkat Robotiks recognizes all teams that bring a solution to tournament. They are all considered successful.
- I give permission for my child to participate in the Wildkat Robotiks FLL Jr. program.

Parent/Guardian Signature

Date

Student Signature

Date

Student Name:

DUE DATE:

Campus:

Received:

FIRST LEGO League (FLL) Team Member Application: 2018-2019

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STUDENTS: This application is your “first impression” to the FLL team coaches. Consider this like a job application, be honest but provide as much info as possible. Many students are trying out for limited spots on teams. Good Luck!

Student Name:

DOB:

Grade:

Campus:

Homeroom/Per 1 Teacher:

T-shirt size (circle one) YS YM YL AS AM AL XL 2X 3X

[Wildkat Robotiks shirts will be worn at district and regional events and/or tournaments, as well as beyond should the team advance to a State or World Championship; students grow, so please plan accordingly]

Parent/Guardian Name(s):

Primary Parent/Guardian Cell:

Email:

Home Address/City/Zip:

Schedule Availability: Robotics team participation requires is a commitment of time and effort; with teams being limited to 10 students, it is all hands on deck in terms of success. As tournaments get close, teams may need to meet more often.

PLEASE NOTE (X) WHEN YOUR CHILD IS NOT AVAILABLE due to prior engagements (sports, band or music lessons, Scouts, dance, cheer, Destination Imagination, UIL including One Act Play, religious or other other activities, etc.)

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Yes

No, I am new here!

If yes, please elaborate below:

What challenges me most in robotics is:

What robotics means to me is:

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Hard worker	Painting, drawing, or graphic design	Leadership skills	Problem Solving
Good reader	Writing &/or Communication	Mechanical or Technical	Like to & good at building things
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Multimedia Skills	Detail oriented & organized	Follow through	Other (please explain)

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- I would be willing to provide space for the team to hold their meetings, build things, or store materials.
- I want to be a parent “go-fer” - bring snacks, help with transportation, etc.
- I am willing to be an “extra pair of hands” to help the team managers with a few meetings
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- I am willing to teach students “robotics skills” (coding, building, design and planning, graphic design)
- I am willing to...

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What are some special talents, skills, or interest that you as a parent/guardian volunteer could teach or share with the students to make them more successful? (circle any and all that apply)

Tech Wizard	Painting/ drawing/design/ sculpture	Leadership skills	Public speaking
Good at research	Creative or technical writing	Mechanical/Technical expertise	good at building things/engineering skills
Organization	Problem Solving	Power Tool Usage/Instruction	Other (please explain)

Team Travel Arrangements:

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- I understand that I am responsible for my child's transportation after school hours.
- I understand that team managers are volunteering their time and should not have to bear all financial costs.
- I understand that the Willis ISD and Wildkat Robotiks recognizes all teams that bring a solution to tournament. They are all considered successful.
- I give permission for my child to participate in the Wildkat Robotiks FLL program.

Parent/Guardian Signature

Date

Student Signature

Date

Each team is REQUIRED to furnish a volunteer to work at league meets and regional tournaments; they can be scheduled around student events with advance notice.

Have a relative, friend or co-worker who might enjoy being your team's volunteer? Sign them up below...but ask them first. If you don't have a name now, leave this section blank.

Appraiser's Name

Phone Number

Email

Student Name:

DUE DATE:

Campus:

Received:

FIRST Tech Challenge (FTC) Team Member Application: 2018-2019

Please complete this form to indicate your interest in participating as part of the FTC team(s) on your campus.

Student and Parents/Guardians need to complete this form together as all sections and questions must be answered or completed for review and some parent/family input is required.

STUDENTS: This application is your “first impression” to the FTC team coaches. Consider this like a job application, be honest but provide as much info as possible. Many students are trying out for limited spots on teams. Good Luck!

Application due NO LATER than Friday, 08/17/18 to room B303

Student Name:

DOB:

Grade:

Campus:

Homeroom/Per 1 Teacher:

T-shirt size (circle one) YS YM YL AS AM AL XL 2X 3X

[Wildkat Robotiks shirts will be worn at district and regional events and/or tournaments, as well as beyond should the team advance to a State or World Championship; students grow, so please plan accordingly]

Parent/Guardian Name(s):

Primary Parent/Guardian Cell:

Email:

Home Address/City/Zip:

Schedule Availability: Robotics team participation requires is a commitment of time and effort, initially the team meets once per week after school on Wednesday. As there are many parts to the competition, it is all hands on deck in terms of success. As tournaments get close, team members may need to meet more often.

PLEASE NOTE (X) WHEN YOUR CHILD IS NOT AVAILABLE due to prior engagements (sports, band or music lessons, Scouts, dance, cheer, Destination Imagination, UIL including One Act Play, religious or other other activities, etc.)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
After school until 6pm						
Evenings after school 6pm+						
Weekend mornings 9am-12pm						
Weekend afternoons						
Weekend evenings						

I am also involved in or plan to be involved in the following, from October to May (list any other activities like sports, band, UIL including One Act Play, Destination Imagination, Scouts, dance, cheer, religious or other other activities, etc.):

Previous robotics experience (circle one):

Yes

No, I am new here!

If yes, please elaborate below:

What challenges me most in robotics is:

What robotics means to me is:

What are some special talents, skills, or interest that you as a team member would bring to and share with your team to make them more successful? (circle any and all that apply)

Computer/Technology applications wizard	Quick thinking	Staying on task	Public speaking
Hard worker	Painting, drawing, or graphic design	Leadership skills	Problem Solving
Good reader	Writing &/or Communication	Mechanical or Technical	Like to & good at building things
Like to design & invent things	Like to make timelines, lists, & schedules	Listens well	Good at research
Multimedia Skills	Detail oriented & organized	Follow through	Other (please explain)

Please find a teacher on your campus that can attest to some or all of the skills circled above. Please have him or her write a brief statement as to how you might contribute to your team's success.

Teacher Signature

Date

Team Member Parent Information & Acknowledgment

Parent/Guardian Volunteer Policy: For team success, it is important that parents/guardians support our Wildkat Robotiks FLL program by volunteering in some way. Here are some ways you can help:

- I will be willing to participate in fundraising activities or help find sponsors for the Wildkat Robotiks Program
- I would be willing to gather materials for team meetings based on a list provided by the Team Coach and send them to the meeting.
- I would be willing to provide space for the team to hold their meetings, build things, or store materials.
- I want to be a parent "go-fer" - bring snacks, help with transportation, etc.
- I am willing to be an "extra pair of hands" to help the team managers with a few meetings
- I will be willing to help the team locate resources for information, research they ask for, or a mentor for the space-related theme of this year's challenge
- I am willing to teach students "robotics skills" (coding, building, design and planning, graphic design)
- I am willing to...

Parent Resources/Skills

What are some special talents, skills, or interest that you as a parent/guardian volunteer could teach or share with the students to make them more successful? (circle any and all that apply)

Tech Wizard	Painting/ drawing/design/ sculpture	Leadership skills	Public speaking
Good at research	Creative or technical writing	Mechanical/Technical expertise	good at building things/engineering skills
Organization	Problem Solving	Power Tool Usage/Instruction	Other (please explain)

Team Travel Arrangements:

In order for a student to participate, each parent/guardian must read and understand the travel arrangements as stated in the Wildkat Robotiks Handbook should their team qualify for state affiliate and/or Championship World Festival tournaments. All Willis ISD teams must adhere to the [travel arrangements as stated in the Wildkat Robotiks Handbook](#). Parents/Guardians that feel the travel arrangements do not meet their needs are encouraged to form independent teams. ***A complete student application has the parent/guardian initial on the following statement:***

	I have read the Wildkat Robotiks Handbook and agree to the terms of travel in the event of advancement.
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Please read the statements below to complete the student application:

- I have read the [Wildkat Robotiks Handbook](#) and understand the time and team commitment and expectations for students, parents/guardians, and team managers.
- I understand how important it is that my child attend team meetings regularly, including outreach events, district events, league meets or regional tournaments.
- I understand that I am responsible for my child's transportation after school hours.
- I understand that team managers are volunteering their time and should not have to bear all financial costs.
- I understand that the Willis ISD and Wildkat Robotiks recognizes all teams that bring a solution to tournament. They are all considered successful.
- I give permission for my child to participate in the Wildkat Robotiks FLL program.

Parent/Guardian Signature

Date

Student Signature

Date

Each team is REQUIRED to furnish a volunteer to work at league meets and regional tournaments; they can be scheduled around student events with advance notice.

Have a relative, friend or co-worker who might enjoy being your team's volunteer? Sign them up below...but ask them first. If you don't have a name now, leave this section blank.

Volunteer's Name

Phone Number

Email