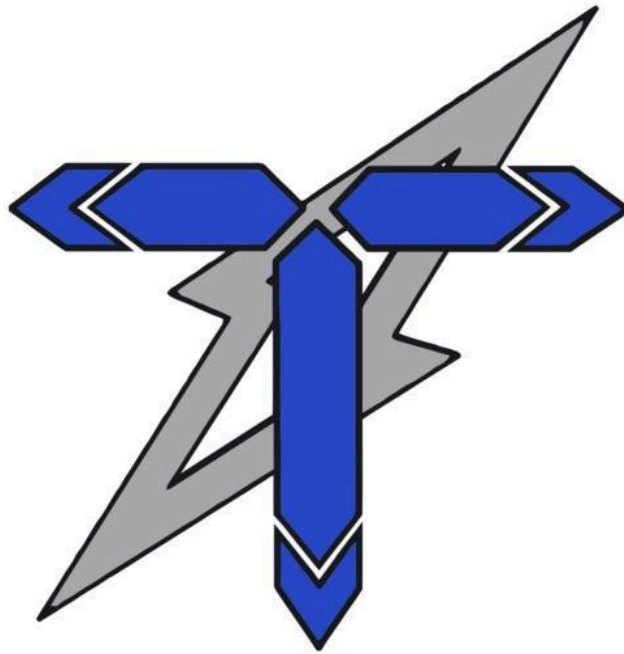


NORTHVIEW  
**TECHNO TITANS**  
ROBOTICS TEAM  
2024 - 2025



"FIRST is more than robots. The robots are a vehicle for students to learn important life skills. Kids often come in not knowing what to expect – of the program nor of themselves. They leave, even after the first season, with a vision, with confidence, and with a sense that they can create their own future"

*Dean Kamen, Founder of FIRST*

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**Main team email: [northviewrobotics@technotitans.org](mailto:northviewrobotics@technotitans.org)**

**Website:** <https://www.technotitans.org>

**Instagram:** <https://www.instagram.com/technotitans/>

**Twitter:** <https://twitter.com/FRC1683>

**YouTube:** <https://www.youtube.com/channel/UCfs5lF-LU0i6RGED0vKurg>

**TikTok:** TechnoTitans1683

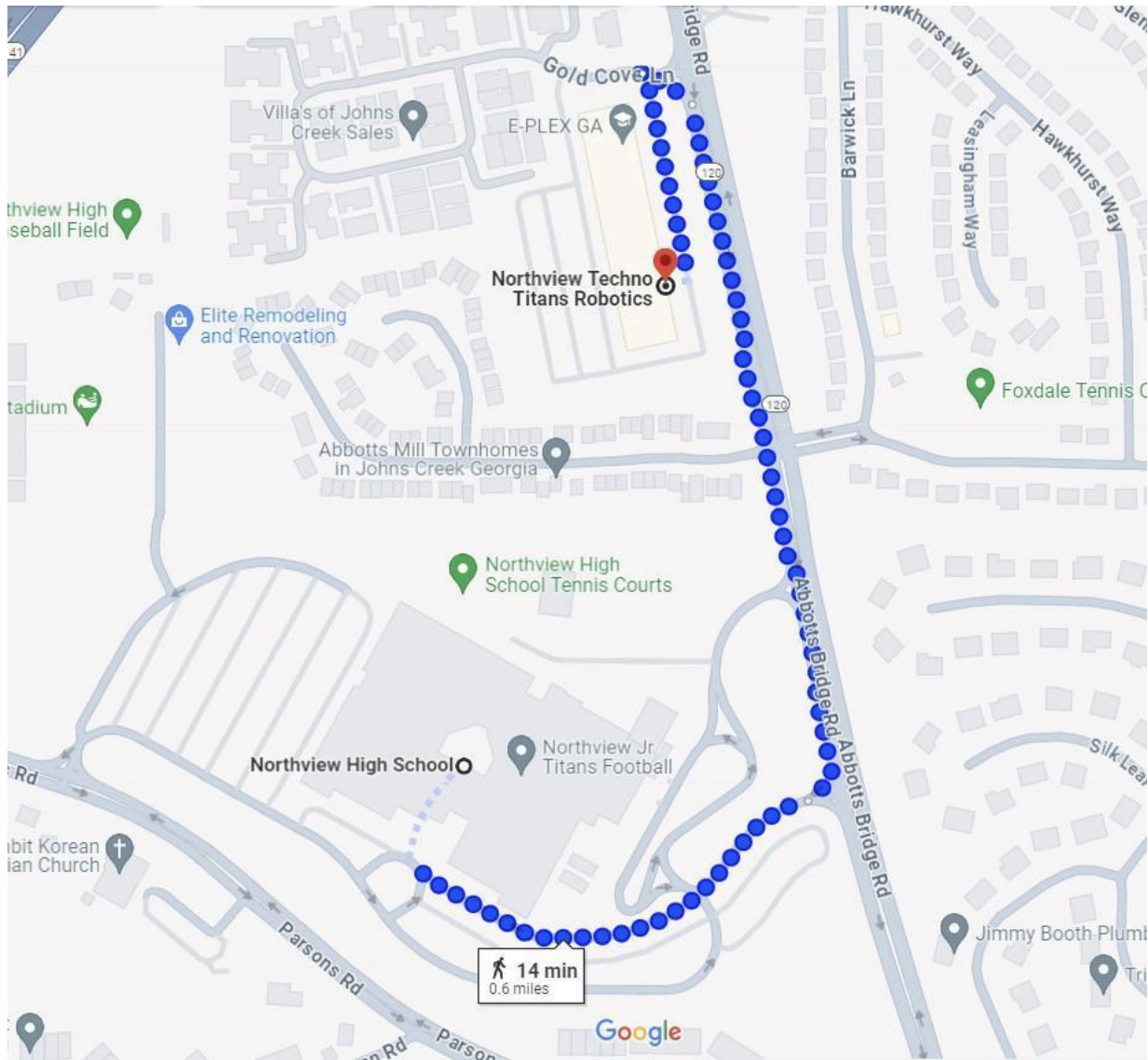
**Facebook:**

<https://www.facebook.com/Northview-Techno-Titans-Robotics-Team-FRC-1683-105902272207471>

## WORK LOCATION

After losing our workspace at Northview High School, we were forced to find a new place to store tools and build robots. We begin each meeting in the **Northview Media Center** and depending on the tasks at hand, the sub-teams disperse. Business, Programming and Design sub-teams work mainly from the school, but also use the workspace. Mechanical/Fabrication and Electrical mainly operate at the workspace.

**The workspace is located within walking distance of Northview High School at 10700 Abbotts Bridge Rd., Suite 120.**



## WELCOME

Congratulations on joining the Northview Techno Titans Robotics Club. We think you will find your experiences enlightening and enjoyable. This guide is intended to give you an understanding of the program and the expectations of team members, mentors, faculty advisors, and parents. This information outlines our history, rules, guidelines, organization, competition, travel, and many other aspects of our team. **Please review all the information carefully.** If you have any questions, please ask team leadership or a mentor. Please share this manual with your parents. They are a key component to our success.

### Terms to learn:

**FCS** – Fulton County Schools

**FIRST** – For Inspiration & Recognition of Science & Technology

**FLL** – FIRST LEGO League

**FRC** – FIRST Robotics Competition

**FTC** – FIRST Tech Challenge

**GAFIRST** – Georgia FIRST

**GRITS** – Georgia Robotics Invitational Tournament and Showcase

**NHS** – Northview High School

**STEAM** – Science, Technology, Engineering, Arts and Math

**STEM** – Science, Technology, Engineering and Math

## WHO ARE THE TECHNO TITANS?

The Northview Techno Titans (FRC 1683) is a robotics team from Northview High School in Johns Creek, Georgia. We are team 1683 meaning that we were the 1683<sup>rd</sup> FRC team registered with FIRST. There are now over 3,000 teams registered worldwide. We are financially and administratively supported by a non-profit organization that strives to help the team succeed and grow.

The Techno Titans started in 2005 with a few students and one faculty mentor. Over the years the Techno Titans maintained a size of roughly 30-40 students and a handful of mentors. In 2015, a 501(c)(3) non-profit foundation was established to financially support the Techno Titans team. The foundation made administrative duties much simpler. Financial support from outside sources, like corporate grants and sponsorships, makes the team sustainability stronger and team growth more robust.

Starting in 2018, the team began accepting all students who wanted to be a member of the team. As of April 2024, the team had 82 students with six mentors, and one faculty sponsor.

## Team Achievements over the past several years:

- FIRST World Championship, Rank 20, Johnson Division (1<sup>st</sup> pick Alliance 4) 2024
- PCH District Championship, finished 8th place overall in 2024
- PCH District Championship, Finalist
- PCH District Gwinnett Event, Finalist 2024
- PCH District Gwinnett Event, Industrial Design Award 2024
- FIRST World Championship, 10th place, Milstein Division (Alliance 8) 2023
- PCH District Championship, finished 6th place overall in 2023
- PCH District Gwinnett Event, Excellence in Engineering Award 2023
- PCH District Gwinnett Event, Finalist 2023
- PCH District Albany Event, Impact Award 2023
- PCH District Albany Event, Winners 2023
- PCH District State Championship, Team Spirit Award 2022
- PCH District State Championship, Quarterfinals 2022
- PCH District Albany Event, Chairman's Award 2022
- PCH District Albany Event, Semifinals 2022
- PCH District Dalton Event, Entrepreneurship Award 2022
- PCH District Dalton Event, Quarterfinals 2022
- July HEAT, Event 2 (GeorgiaFIRST): Feel the Heat Award 2021
- FIRST At-Home Challenge, Game Design Challenge - Engineering Design Award 2021 (Zirconium Group)
- PCH District Regional, Chairman's Award 2020-2021
- GRITS Trophy Design 2020 (Co-winner)
- GRITS Robot Model Design 2020 (Co-winner)
- PCH District State Championship, Dean's List Finalist Award 2020
- PCH District Gainesville, Entrepreneurship Award 2020

## THE TITAN CYCLE

The Techno Titans model our team around a concept we call the ***Titan Cycle***. This model defines how we bring students into the Techno Titans family and guide them during their time on the team. The Titan Cycle includes three components: **Introduction, Involvement, and Impact**.

We **introduce** STEM and FIRST to as many people as possible, hoping to create an interest in science, technology, engineering, and math.

We **involve** our members in *FIRST* programs: our FRC team, FLL and FTC mentors, and as community advocates for STEM.

Our team makes an **impact** in the community by hosting STEM and *FIRST* events, sponsoring local food drives, and creating accessible and practical documentation to provide sustainability for future teams. Our annual summer camps and FLL/FTC mentoring foster a community of students with robotics and engineering experience and training for future FRC teams.



## Our Northview Techno Titans Robotics Foundation, Inc.

Northview Techno Titans Robotics Foundation, Inc is an exempt organization as described in Section 501(c)(3) of the Internal Revenue Code. The Foundation supports the Techno Titans financially and administratively and was formed in 2015 to help keep the team fiscally sound with more future potential for growth.

**Our EIN/Tax-ID: 81-0762109**

### Our Mission:

- Prepare students for STEM careers
- Expose students to collaborative teamwork and the excitement of creation
- Teach industry-applicable skills through robotics competitions and off-season projects
- Spread access to STEM through community outreach/mentorships in younger robotics programs
- Build a foundation for success in college and future endeavors
- Have Fun!

## TEAM ORGANIZATION & RESPONSIBILITIES

The leadership of the Techno Titans is a combination of students and mentors. We are a student-inspired, mentor-advised team; this framework also applies to the leadership as well. For those with the desire and aptitude, there are positions open for individual students to demonstrate and enhance leadership skills. Students who wish to be considered for these positions are typically veteran members with at least a year's experience on the team.

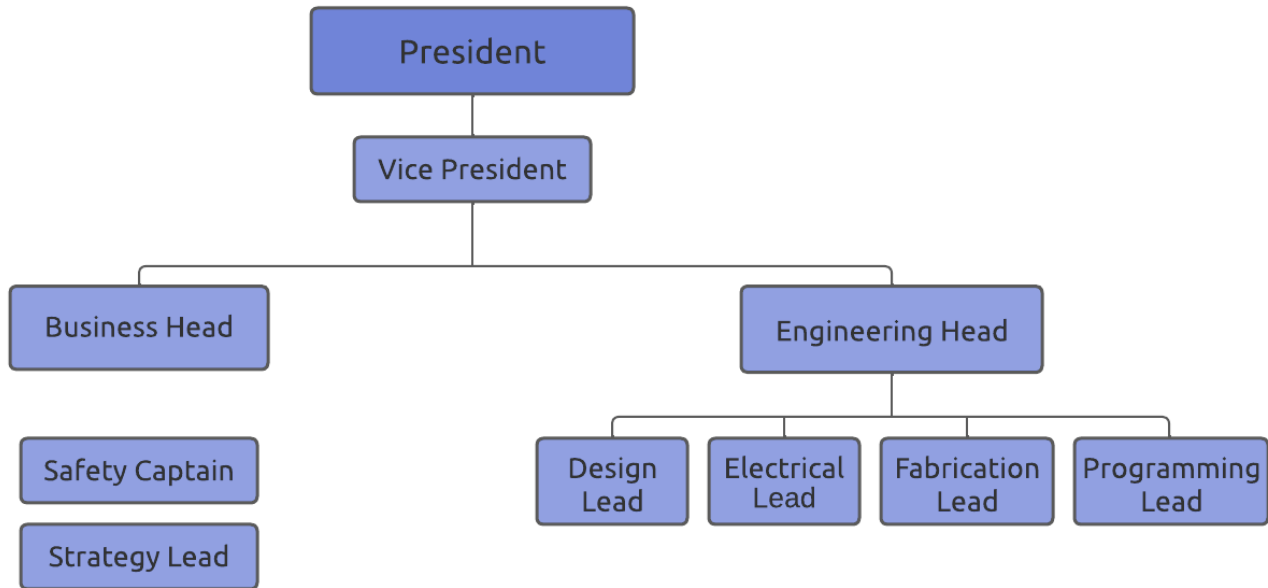
### LEADERSHIP

These students have applied for and been appointed as the Leadership team for the current robotics year. They are responsible for keeping the team on track, updating on team progress, training students to complete assigned tasks, working with the mentors to keep the team organized and moving projects forward, managing team outreach, and overall sustainability of the Techno Titans.

Each subteam coordinates instruction, tasks, and projects throughout the year. By dividing into specialized groups, students are able to focus on specific objectives. **Students may participate in both engineering and business teams, the two categories of sub teams.**



STUDENT LEADERSHIP ORGANIZATIONAL CHART



**Engineering team** has four subteams:

**Design** – develops 3D models and robot designs using computer aided design (CAD) software.

**Electrical** – coordinates the wiring of the robot, including all power and communication systems.

**Fabrication** – builds and assembles the robot; makes revisions and repairs at competitions and throughout the season.

**Programming** – develops the Java-based software necessary to drive the robot in both autonomous and teleoperated modes; develops mobile apps for various tasks like scouting or marketing Techno Titans team.

**Business team** does not currently have structured sub teams but categorizes tasks in the following areas: **outreach, communications, media, marketing, and merchandise**. Projects and activities performed by the Business team includes:

- Photography
- Videography
- Social media – Instagram, Twitter, Facebook, YouTube, TikTok, team website and blog
- Sponsor/parent/alumni correspondence via email and Cyrano video blast platform
- Presentations
- Coordination of Impact Award paperwork for FRC season
- Outreach coordination
- Flier creation for events and activities
- Maintain Business Plan for FRC season (Team Sustainability)
- Designs yearly merchandise for team (t-shirts, polos)



## CROSS-FUNCTIONAL SUBTEAMS

There are a number of smaller working groups where students from different sub teams work together to collaborate for specific purposes.

- **Drive Team** – this group works together at practices & competitions to drive, strategize, and keep the robot working. Team consists of Driver, Co-driver, Coach, Technician, and Human Player. Drivers and Coaches are automatically part of the Strategy sub team.
- **Strategy** – this team is responsible for analyzing the game materials immediately after kickoff to identify the best approach to playing and winning the game. Areas of focus include robot design, gameplay, and alliance selection strategies.
- **Scouting** – this group is responsible for collecting the information required to implement the team’s overall strategy. Areas of focus include pit scouting, match scouting, and alliance scouting. Scouting is considered part of the Strategy subteam.
- **Impact Award** – this award requires a great deal of time and diligence. Three students, who volunteer and agree to present, represent the Techno Titans team in judged interviews at competitions. Students present the Techno Titans outreach and FIRST activities, and answer judges’ questions about these activities.
- **Safety** – with the coordination of a **Safety Captain**, this team supports the team by maintaining a safety manual, ensures all students and mentors know the safety rules, and works at competitions to help others understand the importance of safety in all aspects of robotics and FIRST competition.

## PARTICIPATION

The team will have weekly meetings, as a minimum, throughout the school year. **For the 2024-2025 robotics season, full team meetings will be on Monday and Tuesday, from 3:45-6:00 pm.** These meetings include all students, then break out into sub team meetings for business, design, electrical, fabrication, and programming. Cross functional teams will meet at time and locations to be determined when needed. Participation on these teams is an additional level of commitment and responsibility. There will also be Saturday workdays to prepare the robot for the GRITS competition in October and during the new FRC season.

Participation in team meetings and activities is recorded for various reasons. It is understandable that team members have commitments to other extra-curricular activities, teams, or clubs. **Participation and involvement during team meetings, bootcamp, outreach activities, competitions, and team socials/get togethers all help students with future leadership roles and project assignments.** Students who show dedication and take proactive roles may be afforded roles of leadership and given more responsibility the following year. **It is the responsibility of the student to manage and balance all of their activities, schoolwork and family commitments.** Please inform leadership or mentors if you are struggling to find that balance.

**All students are expected to participate in outreach activities for at least 2 events each semester.** Various events and outreach take place each year. Outreach participation furthers the team (and FIRST) goals of sharing science, technology, engineering, and math with local students and the larger Johns Creek community.

**The FIRST Robotics Competition (FRC) Team requires many hours beyond the normal school day.** All team members are expected to participate in after school workshops, events, and other team activities. The **FRC build season** begins in January, when FIRST announces the new theme and challenge during the kickoff – the next being **January 4, 2025**. Members spend the following weeks working with their assigned subteams to design, build, power and program competition robot. **Team work sessions from January through April are anticipated to be 3-4 evenings per week and Saturdays. Work sessions will run longer than 6pm.**

After the robot has been built, the team travels to qualifying competitions in the Peachtree District. Depending on how well the robot and team compete at events, we could be invited to the Peachtree District, and even World Championships. Generally, attending district events involves travel, and in some cases, overnight stays. District events are a great opportunity for students to see the success of their labors.

## MENTORS

Mentors must apply to be a volunteer/chaperone with the Fulton County Schools. Once an applicant is approved by FCS, the applicant must be approved by the Northview Techno Titans Robotics Foundation.

Mentors are unpaid (volunteer) adults who enable and inspire the students to do more than most people expect of high school students. They teach and guide students in all parts of the designing, building, marketing, and operations of the robot. The mentors draw from their areas of expertise to guide our students in the many aspects of the Techno Titans Robotics team. At all times, especially during build season and competitions, we treat the mentors with all the respect and appreciation possible. Since mentors bring a wealth of experience and their own personalities to the team, it is imperative that communications within the team are clear and complete to maintain healthy, professional relationships.

Mentor responsibilities include but are not limited to:

- **Safety and welfare** of everyone on the team
- **Encourage and demonstrate Gracious Professionalism at all times**
- Complete requirements as demanded by FCS and FIRST including fingerprinting, background checks, completing Youth Protection Program training, Recognizing and Reporting Child Abuse/Sexual Abuse training, as well as any other mandated items.
- Liaison and contact person between the team and high school administration.
- Serve in a supervisory capacity and **coordinate the supervision of team members** while on and off school property, as well as attending competitions.
- **Work closely with the team leadership** in the development of team activities and functions as well as the various committees and workgroups.
- Maintain access to a working list of team participants, mentors and parents including telephone numbers and email addresses.
- Oversee all team operations and functions.
- Manage procurement of products, services and facilities to optimize team operations while maintaining appropriate fiduciary controls on behalf of the Northview Techno Titans Robotics Foundation, Inc.

- **Create an atmosphere of open communications** where students feel free to think independently, voice their opinions, and take risks while not creating a safety hazard.
- Monitor tasks to ensure deadlines are met – includes providing a timeline for activities and trusting students to complete tasks while holding them accountable for their assignments.
- **Build and encourage trust and respect** – show trust and respect to every student while fostering the same trust and respect with other mentors.
- Be a positive example to students – including limiting offensive language and following safety procedures ( e.g., wearing safety glasses , using tools/equipment properly).
- **Facilitate instruction and train the students** to do as much of the work as possible. They are to coach, teach, and observe students while remaining ready to step in as needed.
- Communicate with other mentors to coordinate, plan, and monitor ongoing activities. No mentor should act independently from the team or other mentors in any capacity.

### PARENTS/GUARDIANS

The parents/guardians are an important part of the success of our team. Parents are encouraged to become team mentors. Parents do not have to be engineers to qualify to be mentors.

Parent/Guardian responsibilities include but are not limited to:

- **Provide a direct contact phone number and a monitored email address** so the team can provide them with information about upcoming events and team opportunities. E-mail is the primary (and often only) method of contacting parents of team members.
- **The conduct of their child.** If there is a violation of the Techno Titans or NHS student code of conduct by their child that results in a liability issue, parents may be held liable. If there is a significant violation of the code while on an out-of-town trip, parents will be responsible for providing transportation, at their own cost, to return the student home.
- Parents/guardians are **strongly encouraged** to attend events and provide support for the team. These events may be competitions, team gatherings, or public events.
- Parents are required to support the team. The team's success requires much planning and cooperation, and we expect parents to help contribute in many ways, such as overseeing team meetings to ensure student/adult ratios are maintained, help with transportation, chaperoning during travel events, carpooling, etc.
  - **Parents are REQUIRED to volunteer for at least one task (e.g., carpool to a competition, monitor a meeting, pick up food, provide water/snacks, or staff a team event) each semester.**
  - **Specifics for this will be discussed at the parent meeting.**

## TECHNO TITANS BEHAVIOR EXPECTATIONS

We rely on each other for the success of the team. Bootcamp, training, and competitions each year are time consuming, expensive, and demanding. **It is expected that all members will behave with greatest regard for others and with integrity.** The Techno Titans behavior expectations include:

- **A member's behavior is under scrutiny at all times.** It is very important that you understand that you represent Northview High School, the Foundation, our sponsors, and **ALL team members** on the Techno Titans Robotics Team.
- We have a very diverse team. Participation on the team is open to anyone. **There will be NO discrimination** based on gender, race, color, religion, ancestry, national origin, socio-economic status, sexual orientation, social/mental/physical ability, physical appearance, or other personal or genetic characteristics.
- If a member of the team feels they are being treated unfairly they should **reach out to student leadership and/or adult mentors immediately.** We are committed to an environment free from harassment of any kind.
- **Any team member engaging in NAME CALLING, HARASSMENT OR DISCRIMINATORY CONDUCT will be appropriately disciplined,** up to and including dismissal from the team.
  - **First offense:** discussion with team leadership and mentors about appropriate behavior
  - **Second offense:** discussion with parents about behavior and previous behavioral issues – discussion with Northview administrators, if necessary
  - **Third offense:** discussion with Northview administrators about removal from the team
  - Any reported cases will be reviewed for possible referral to appropriate school authorities. A false accusation is considered misconduct and may result in appropriate disciplinary action as well.
- Students will follow the **check-in/check-out attendance** process as described at the beginning of each team season.
- Members are expected to, at all times, be polite and respectful to all school faculty and staff members, and refrain from activities that are considered disruptive or dangerous. Any team member receiving disciplinary action of any type is subject to review by student leadership and mentors.
- Students should be cooperative; if a mentor or parent requests you to do something, you will comply to the best of your ability. Ignoring directions or requests of a mentor/parent is not in the team's best interest. If you feel a request is out of order, you are encouraged to discuss with the mentor or another adult.
- Boyfriend or girlfriend relationships: If a relationship develops or is ongoing, rules must be followed at team activities locally and away. **Hand holding, hugging, kissing and other expressions of affection are prohibited at all times.** The couple must also travel in a group at all times. Couples may not wander off or sit alone. In other words, team members should not appear as a couple, but as part of the team. Common sense should prevail at all times.

- If a student behavior problem arises Northview High School and Fulton County Schools discipline policies will be enforced. The school staff, leadership team and mentors have the option to discipline a team member as necessary for safety and the overall good of the team. **Discipline may include probation, suspension, or dismissal** from the team. The parents of the student(s) involved will be informed of any concerns and/or disciplinary actions.

### BEHAVIOR WHEN TRAVELING OR AT COMPETITION

- At competitions, eyes are on team members at all times. Your behavior is a direct reflection on your character and on our team. **A judge or member of another team may overhear what you say and how you say it.** One harsh word or foolish action can remove any chance of a team award.
- When traveling overnight, **Room Captains** will be assigned. Room Captains will communicate to the mentors/chaperones that all members of their room are in the room and preparing for sleep by the assigned time. There is a curfew for a reason

### The following actions may lead to **LOSS of COMPETITION or TRAVEL PRIVILEGES:**

- When traveling, the **buddy system will be employed.** No one is to go off on their own at **any time.**
- There will be **NO boys in a room assigned to girls, and NO girls in a room assigned to boys. Anyone caught in a hotel room in which they are not assigned after lights out will be sent home.** Parents will be notified to come retrieve the student, at their cost, **immediately.** Further consequences up to and including dismissal from the team may result when the team returns to school.
- **Anyone leaving the hotel or competition premises without permission from a mentor/chaperone will be sent home.** Parents will be notified to come get the team member, at their cost, **immediately.** Further consequences up to and including dismissal from the team may result when the team returns to school.

**Student safety and wellbeing are the most important part of competitions and travel. All students must adhere to these policies.**

## SAFETY

Whether it is in the team workspace, the Northview Media Center, or a competition event, **we take safety very seriously**. In order to run any successful team, a high level of safety must be observed, practiced, and maintained. Safety procedures have been developed to ensure the safety of students, mentors, and any visitors. Each member is required to review the Safety Procedures and those on the Fabrication and Electrical subteams must pass a tools skills test. Please read the safety manual.

### **SAFETY** rules and **DRESS CODE** when working with the robot or at team workspace:

- Wear safety glasses when working with tools and/or around the robot
- Pants or shorts to protect your body and legs
- No oversized sweatshirts or hoodies that can get caught while working
- Always wear closed shoes to protect your feet
- Tie long hair back into a ponytail to avoid hair being caught
- No loose or dangling clothing or jewelry
- No horseplay or practical jokes

**In general, if you are sick, do not come to meetings or work sessions.** Let us know what is going on and **keep us informed through the Slack Attendance channel**. We do not want an outbreak of any illness running through the team. Take time to get better before returning.

## SCHOOL WORK

All team members are expected to maintain their assignments and grades during the school year. **Students must maintain a minimum of 74 in every class.** As a team member, you have some of the best tutors available in your peers and mentors. If you need help, just ask.

### **OFF-SITE MEETINGS (Other than Workspace)**

Some Robotics team activities are held off-site. Transportation to this location is the responsibility of the parents or as organized by the mentors. Please remember, we are guests at these locations and need to conduct ourselves respectfully in the host facilities. Members will stay in the designated areas at all times and with your group. Respect the property of others. Dispose of any food or drink containers. Students and parents will be expected to complete any forms and waivers required prior to the off-site meeting.

### **ELIGIBILITY FOR FIELD TRIPS (Local and Travel)**

Field Trips are an extension of classroom/organization activities. All policies and procedures of the Fulton County Schools and Northview are in effect during field trips. **Students must return the parental consent/teacher sign-off form prior to the deadline.** Eligibility for participation in field trips may be based on the following criteria for each class to be missed:

- minimum average of 74 in each class
- no more than three tardies during the current six-week grading period
- no more than four absences during the current grading period
- no assignments to in-school or out-of-school suspension during the current semester

Students who are ineligible for participation in field trips may regain eligibility for the next field trip. Exceptions will be considered only when activities are deemed to be required functions of the curriculum.

## COMMUNICATIONS

**The Techno Titans uses e-mail, our website, and Slack to communicate** all information about the team and upcoming activities. All students need to monitor all three platforms for new information, team news, and meeting changes. Please alert a mentor if your email addresses and phone numbers change.

## EXPENSES

There are many expenses related to the operation of a robotics team. We rely heavily on corporate sponsorships, but we must ask for a financial commitment from the student/student's parents. Dues pay for workspace rental, competition registration fees, team apparel for competitions, tools, building supplies, travel, food and much more.

- Dues for fall semester are \$300
- Dues for spring semester are \$300
- Local travel expenses not involving an overnight stay cover food, water, and snacks for competition, normally \$25-50.
- Team travel expenses involving an overnight stay are determined depending on location, mode of transportation and length of stay. They are usually between \$150 - \$500 per trip. Going to the World Championships in Houston, TX (5 nights) is normally in excess of \$750.

## OUTREACH ACTIVITIES

The Techno Titans are devoted to activities that build community awareness and promote FIRST and STEM. These activities can include following:

- Summer camp for elementary and/or middle schoolers
- Student mentoring of FIRST LEGO League/FIRST Tech Challenge competition teams
- Monthly STEM nights
- Titan Fest
- NHS Football games (to show off Kronos, our t-shirt shooting robot)
- Elementary school STEAM/STEM Day/nights
- Girls in STEM
- Restaurant Fundraisers (e.g., City BBQ, Chiptole, Culver's)
- Techno Titans Days of Giving (one or two per year)
- Community activities (e.g., JC Holiday Jam, Johns Creek Founder's Day parade)
- Advocacy of STEAM/STEM activities in Johns Creek

## QUESTIONS?

Please ask your teammates, student leadership, or mentors if you have any questions or concerns. You will find the Techno Titans team to be a close-knit, wonderful group of people looking to teach, learn, and have fun.



## FRC SEASON SCHEDULE

The FRC season starts on the first Saturday in January with the announcement of the new game. Following kickoff there are multiple brainstorming sessions. We then have a 7-8 week build season. The following 5 weeks are competitions at Peachtree District events; we participate in 2. If the team qualifies, we will be invited to the Peachtree District Championship (early April). If the team qualifies, we will be invited to the World Championship in Houston, TX (mid-April).

## ROBOTICS TEAM COMPETITION SAMPLE SCHEDULE

The typical format will be Thursday – Saturday or Friday – Sunday.

## DISTRICT EVENT

**2 per FRC season – usually one local and one travel. Local event logistics will depend on parent carpool/transportation; a fee to cover meals may be requested. Overnight trips will require an extra expense to include bus transportation, hotel, and meals.**

- Day 0: Travel if necessary and Pit set up/load in. If local, only 5 students and a mentor will participate. If they travel, other team members will either sit in stands or stay at the hotel with mentors/chaperones.
- Day 1: Team will arrive at the competition when the venue opens, ~ 8:00am. The schedule of events is supplied by GAFIRST. Opening ceremonies start in the early morning. At a district event we will compete in 12 qualification matches. These are divided up between Day 1 and Day 2. The day ends early to late evening, between 6-7pm. Strategy team will review/consolidate data gathered during qualification matches and discuss alliance team selections and day 2 strategy. Additionally, judging for various awards is done on this day (e.g., Dean’s List, Team Sustainability, Impact Award).
- Day 2: Team will arrive at the competition as soon as the venue is open. The final qualification matches are completed by midday. Playoffs start after lunch. Throughout competition finals there are brief award presentations where judged awards are distributed. After finals, there is one last ceremony for the remainder of awards and competition finalists. Team members then pack up the robot/pit for return to the school. Unloading the trailer at the workspace occurs as soon as possible.

## DISTRICT CHAMPIONSHIP

After the conclusion of the five weeks of District Events, the top 40 teams, based on ranking points and other criteria, are invited to participate. **Location and date is to be determined for April 2025.** If travel is required, there may be extra fees.

## WORLD CHAMPIONSHIP

After the District Championship, the top District teams (~12) are invited to the World Championship in Houston for 600 teams worldwide. It is similar to a regional event but on a larger scale. It is a 5 or 6-day event depending on travel. If we qualify or choose to pay to compete, this competition will require extra fees to cover transportation, hotel, and meals. **The 2025 Worlds competition is in Houston, TX April 16 - 19.**

## What is FIRST?

### Mission

The mission of *FIRST*® is to inspire young people to be science and technology leaders and innovators, by engaging them in exciting mentor-based programs that build science, engineering, and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self-confidence, communication, and leadership

### Vision

To transform our culture by creating a world where science and technology are celebrated and where young people dream of becoming science and technology leaders.

### FIRST Core Values

The FIRST Core Values emphasize friendly sportsmanship, respect for the contributions of others, teamwork, learning, and community involvement and are part of our commitment to fostering, cultivating, and preserving a culture of equity, diversity, and inclusion. The FIRST Community expresses the FIRST philosophies of *Gracious Professionalism*® and *Coopertition*® through our Core Values:

- **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!

### Code of Conduct for Program Activities

The FIRST mission is to inspire a generation of science and technology leaders who are both gracious and professional. This FIRST Code of Conduct lists some of the basic behaviors mentors, coaches, volunteers, team members, affiliate partners, contractors, staff, and other participants should adhere to while participating in FIRST activities.

- Exhibit *Gracious Professionalism*® at all times. ***Gracious Professionalism is a way of doing things that encourages high-quality work, emphasizes the value of others, and respects individuals and the community. With Gracious Professionalism, fierce competition and mutual gain are not separate notions.***
- Ensure the safety of all participants in FIRST activities.
- Not engage in any form of bullying, harassment, use of profane or insulting language, or any actual or threatened violence.
- Adhere to all FIRST Youth Protection Program (YPP) policies.
- Report any unsafe behavior to event or local FIRST leadership.

Persons who do not comply with this Code of Conduct may be barred from participating in FIRST activities.

## A HUGE THANK YOU TO OUR SPONSORS!



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## Student and Parent Commitment

The following obligation is designed to ensure all students and parents fully understand the expectations of the Northview High School Techno Titans Robotics Team. In consideration of the benefits received as a member of the team, I hereby agree to the following:

1. I have read and will abide by the student handbook and understand the expectations as a member of the team. Any violations will have consequences up to and including dismissal from the team.
2. I will monitor Slack, team emails, and the team calendar regularly. Excellent communication is an important part of our team.
3. I understand that an GPA of 74 or higher is required at all times in all classes.
4. I commit to following ALL team rules, including those established for travel.
5. I understand participation may involve using valuable equipment including power tools. I commit to abide by the team rules for safety and the safety of my teammates.
6. I understand that not following safety rules may result in my dismissal from the team.
7. I understand that participation on the Northview Techno Titans Robotics team is a major commitment of time, money, and energy. I will do my best to attend ALL assigned team meetings and events.
8. I understand the development of a robot is a cooperative learning experience of both mentors and students.
9. I understand that there are membership dues, and they will be paid in full by the due date. Additional fees may be required for competitions and travel. If I anticipate any issues with this, I will speak with a mentor to work toward a solution.
10. I will treat my fellow team members, mentors, staff, equipment, and workspace with the utmost respect. Failing to do so may result in dismissal from the team.

I have read Student Handbook and this team commitment. I agree and commit to all guidelines and expectations set forth in the team handbook effective immediately.

Date:

Student Name Printed: \_\_\_\_\_

Student Signature: \_\_\_\_\_

Parent Signature: \_\_\_\_\_