

Instructions for Submission

1. Make a copy of this document and fill it out.
2. Save the filled out application as a **PDF file**. Title the PDF in the following format: "FirstName LastName - Team Sprocket Application 2025-2026"
3. Submit your PDF to the "Team Sprocket Member Application" google form by **Saturday September 27th, 11:59 pm**. **Applications should NOT be emailed to Team Sprocket.**

Link to Google Form: <https://forms.gle/iqbxbKxVevYRdvTDA>

4. You are also encouraged to submit your resume and/or portfolio with your application. Remember, we will primarily focus on your robotics achievements and the resume or portfolio is optional. Please submit these as PDF files as well.
5. When filling out your application, please make sure to tell us as much as possible about yourself! We can only choose a certain amount of members, so give us the reasons why we should choose you. Try to not be repetitive! Be unique and yourself!

Basic Information

Legal Name	
Preferred Name	
Birthdate	
Personal Email (that you check frequently!)	
Phone Number	
Grade	

Schedule for 2025-2026

Period	
0	
1	
2	
3	
4	
5	
6	
9	

Extracurriculars:

List time consuming extracurriculars that take place outside of school hours (7AM - 4PM)

Activity	Days in a week and time	Description

Courses completed/being taken:

	Photography/Video/Media Production		IED, POE or DE (PLTW Courses)
	CSP, CSA		Any other BrahmaTech classes

Selection of Sub-team:

Please type a 1 and 2 to the left of your top two sub-team preferences. For specific sub-team descriptions, please refer to the Team Handbook under *Section 2.1 Structure*.

Team Sprocket Official Handbook:

https://docs.google.com/document/d/171Hnnqnx8F2cWGUKhp1uZCOavKi7OLmeiyBu_7JGg0c/edit?usp=sharing

Engineering		Business	
	Mechanical		Publicity (Media/Design)
	Electrical		Operations
	Design		Outreach and Awards
	Programming (Robot Code/Scouting App)		

General Questions:

1. Describe your experience with robotics, engineering/business, or any related fields to the subteam(s) you're applying to. Include specific projects you've worked on and your role in those projects. List formatting is allowed.
2. What do you know about our team, and why are you interested in joining it?

Subteam Specific Questions:

****Only questions for your first subteam choice have to be filled out****

Mechanical

1. How do you spend your time outside of school and academics?
2. In your personal opinion, what makes a good team?
3. Explain any difficult project or idea that you had and the time management, priority, and work it took to fully complete it.
4. What is your favorite component/mechanism in engineering?
Describe the mechanism and why it's your favorite.

Electrical

1. Team Sprocket takes up a huge chunk of your day, both during Fall and especially during Spring Semester. How do you plan on balancing your schedule of robotics with other walks of life?
2. What is something you dedicate your time to? Why?
3. When have you experienced distrust in society or individuals?
4. Where is somewhere you believe you stand out among others?
5. Why does your expertise, either a skill or characteristic, make you a good fit for this robotics team as a whole?

Design

1. What interests you about joining the Design subteam, and what do you hope to learn or contribute this season?
2. Team Sprocket requires a large time commitment, especially in the second semester (about 5 hours a day after school). How would you balance this responsibility with your schoolwork and other activities?

3. Share an example of when you had conflicting ideas with a classmate, teammate, or group. What did you do to resolve the situation? If you felt biased or emotional, how did you overcome that?
4. Your robot needs a single manipulator capable of handling both a large 2lb hollow cylinder (approximately 6 inches in diameter, 12 inches long) and a 1lb triangular prism (roughly 8 inches per side), placing each object upright onto a scoring platform that requires precise alignment with a peg or corner. Describe how you would design this mechanism to adjust for the size and shape differences, maintain a secure grip, and prevent damage to the objects. Include any motor selections, calculations, materials, tolerances, etc, you deem necessary. Explain how you would validate the design before physical prototyping. *The purpose of this question is to test your researching and reasoning skills so please be thorough. (It is up to you whether or not you want to use AI in your response or not)*

Programming (Robot code & Scouting App)

1. In the programming subteam, there is the robot code group, which programs on the robot, and the scouting app group, which works on full-stack app development for live game and strategy analysis. Which group do you think your skills would fit in the most? Explain why.
2. How would you argue/debate against someone who opposes your opinion?
3. If you had two weeks to learn a programming language, what would your schedule and plan of attack be?
4. What is your process when solving a problem?

Publicity

1. Sprocket takes a lot of time. How do you plan to balance your schoolwork and robotics team activities?

2. What part of yourself do you want to get better at, and why?
3. If you could change one thing about our team, what would it be? Do you have any new ideas to help the team? How would you help?

Operations

1. Why are you interested in being part of the Operations subteam, and what ideas or skills do you have that would help you in your role?
2. Describe an event you had a major role in planning. How did you plan it, and how did it go?
3. How do you tailor your communication style to different audiences?
4. Describe a time a project wasn't going the way you wanted it to. What did you do to turn it around?

Outreach and Awards

1. Connections play a huge role in outreach. How would you approach building and maintaining relationships with other organizations, sponsors, or partners? Can you provide an example of a successful collaboration you've been part of?
2. How do you prioritize tasks when managing multiple projects or deadlines, especially when it comes to coordinating outreach activities and award submissions?
3. Can you describe your past experience with outreaches? If not, what outreaches could we host in the future that would be impactful to our community or further?
4. In detail, describe multiple outreaches you would be interested in leading or hosting as an outreach and awards member.

Please note that we reserve the right to dismiss individuals from the team as deemed necessary