

Greetings,

Team 1806, S.W.A.T. (Smithville Warriors Advancing Technology) robotics is honored to have the opportunity to reach out to you for support! As we prepare for our 20th season in the FIRST Robotics Competition, we are currently in a rebuilding phase as we look to build a team culture that is once again capable of going toe to toe with the best FRC teams in the world and impact our community in a positive manner.

Currently we have 13 students on the team and 4 mentors, and are looking to add more! Our community outreach continues to improve year over year, as we look to live up to the lofty goals of our own expectations and S.W.A.T.'s past success.

Your mentorship, in-kind, and/or financial support would be much appreciated as we dive into the 2025 season. We believe that with improved student training and a commitment to time management, we can and should be competitive for the 2025 season!

Thank you all for your time and support over the last 19 seasons!

On behalf of Team 1806,

Dillon Woollums, Head Coach
robotics@smithville.k12.mo.us
team1806.com



Mission Statement

Smithville Warriors Advancing Technology (S.W.A.T.) focuses on spreading the ideals of *FIRST* while promoting individual growth of team members. We desire to provide opportunities for students, parents, and community members to take advantage of the possibilities surrounding STEM (Science Technology Engineering and Math) education and the multitude of *FIRST* programs. We, first and foremost, wish to inspire a group of passionate students whose purpose is to produce a well-designed, quality-built, competitive robot. Furthermore, it is the goal of team 1806 to incorporate fields outside of STEM including public communications and marketing in order to make *FIRST* more accessible to a wider array of students.

To reflect our goals, we have adopted a team motto of: Motivate Empower Teach Accomplish. More details on this motto and how it impacts our team as well as other details can be seen in our new Team Handbook, adapted from team 1678's handbook [here](#).



Team Summary

S.W.A.T. Team 1806 was founded in 2005 at Smithville High School, a small public school in the suburbs of Kansas City. When the team started, there were only 15 team members and 5 mentors. The team grew to more than double that size, but has since contracted to 13 team members and 4 mentors, who are all alumni. S.W.A.T. 1806 has won nine regionals and received numerous awards ranging from Excellence in Engineering to Gracious Professionalism, including our most recent award, the Creativity Award in 2022.

At one time we had multiple FTC teams and FLL teams in the district, but due to faculty turnover in the district, our FRC team is the lone remaining FIRST team in Smithville. We're building towards getting buy-in from the district again so we can return to having a full complement of FIRST teams within the Smithville School District.



The Future of S.W.A.T.

S.W.A.T. intends to continue to work towards a year-round season, and to re-establish our team as a premiere FIRST Robotics program. We aim to increase our membership and turn our robotics team into a more approachable organization to increase participation and diversity. In order to accomplish this goal, we will increase our outreach within the community, and to make it clear to all potential members that a person doesn't need pre-existing interest or knowledge to be a part of a *FIRST* Robotics team. They simply need to be willing to learn, and participate! S.W.A.T. desires to spread the message and outlook of *FIRST* throughout the country and our community by continuing and vastly improving our community outreach.

Sponsorship Tiers

- White Tier - \$0-499
 - Certificate
- Green Tier - \$500-999
 - Certificate, Name on robot(optional), Name on website
- Black Tier - \$1,000-2,499
 - Certificate, Small logo on robot, Name on website
- Warrior Tier - \$2,500-7,999
 - Certificate, Medium logo on robot, Plaque, Name on website
- Gold Tier - \$8,000+
 - Certificate, Large logo on robot, Plaque, Name on website, Logo on website
- Title Sponsorship - \$16,000+
 - Certificate, Large logo on robot, Plaque, Name on website, Logo on website, Become team title sponsor, Ex: “Gene Haas Foundation S.W.A.T.”
 - This is in the team nickname in addition to being in the team sponsor list
 - Only one sponsor may be the title sponsor

Relationships with Sponsors

- Thank You Certificates presented to all sponsors
- Display of sponsor logos on the current robot

Social Media

Our Facebook page (<https://www.facebook.com/swat1806/>) has around 1700 followers, and our Instagram account (<https://www.instagram.com/swat1806/>) has 131 followers. We also have a Youtube page where we will upload videos (<https://www.youtube.com/@FRC1806/>) that has 127 subscribers. For this year we have committed to increasing our presence on social media.

Where The Money Goes

This is a representation of an ideal budget for our team

S.W.A.T. Robotics			
Ideal Yearly Budget			
Expenses			
	Cow Town ThrowDown Registration	\$400.00	
	Cow Town Throwdown Travel	\$200.00	
	Indiana Robotics Invitational Registration	\$950.00	
	<i>FIRST</i> Registration		
	Regional 1	\$ 6,000.00	
	Regional 2	\$ 3,000.00	
	Championship	\$5,750.00	
	Local Regional Travel Expenses	\$500.00	
	Long Distance Event Travel Expenses	\$2,500.00	
	Championship Travel Expenses	\$3,500.00	
	S.W.A.T. Team Imagery and Merch	\$ 1,500.00	
	Robot Materials and Supplies Expenses	\$ 9,500.00	
	Misc. Expenses	\$ 1,000.00	
	Shop Upgrades	\$6,000.00	
Total Expenses			\$ 40,800.00

Here is the breakdown of what we could fund / qualified for in the 2024 Season

S.W.A.T. Robotics			
2024 Actuals			
Expenses			
	Cow Town ThrowDown Registration	\$400.00	
	Cow Town Throwdown Travel	\$0	District Provided
	Indiana Robotics Invitational Registration	\$0	Did not apply / would not qualify
	<i>FIRST</i> Registration		
	Northern Lights	\$ 6,000.00	
	Greater Kansas City Regional	\$ 3,000.00	
	Championship	\$0	Did not qualify
	Local Regional Travel Expenses	\$250.98	
	Long Distance Event Travel Expenses	\$2937.58	
	Championship Travel Expenses	\$0	Did not qualify
	S.W.A.T. Team Imagery and Merch	\$ 200	
	Robot Materials and Supplies Expenses	\$ 10,114.27	Invested in Swerve and Krakens
	Misc. Expenses	\$ 0	Mentors Donated New Toolboxes
Total Expenses			\$ 22,702.83

Past Seasons Robots

<https://team1806.com/history-page> has information about previous seasons robots

Code

All code since at least 2016 is public at:

<https://github.com/frc1806>

CAD

2024: Open Alliance Build Thread (Contains Links to CAD and Code):

<https://www.chiefdelphi.com/t/frc-1806-s-w-a-t-2024-build-thread/447060>

2023 Robot:

<https://cad.onshape.com/documents/af91f2b751c6abb29217a9f9/w/88b796dc8f83b8681a81ddf8/e/aa89d8b48b76eaf14d3ee219?renderMode=0&uiState=64fc0005650a1276b6555d28>

2023 Offseason Swerve Frame (May appear at CowTown):

<https://cad.onshape.com/documents/60376f380112af8bccae478b/w/e19123dd6c05d90b5d5e43aa/e/a59bd55dfd2829be8f1c1c33?renderMode=0&uiState=64fc0028cec16c581e07405f>

2022 Offseason Frame:

<https://cad.onshape.com/documents/087813facfbef0fb62de368/w/ea3988138a4f09419d54eb8a/e/197a2157727e64195c34bc28?renderMode=0&uiState=62e1c890f5510a06c8049093>

2022 Robot:

<https://cad.onshape.com/documents/087813facfbef0fb62de368/w/ea3988138a4f09419d54eb8a/e/197a2157727e64195c34bc28?renderMode=0&uiState=62e1c890f5510a06c8049093>

2020 Robot:

<https://cad.onshape.com/documents/087813facfbef0fb62de368/w/ea3988138a4f09419d54eb8a/e/197a2157727e64195c34bc28?renderMode=0&uiState=62e1c890f5510a06c8049093>