Purple Warriors 19846C

Logbook

2023/2024

About Us

Our team is from Deer Creek School in Arcola, MS. We are a second year team. We received a grant for our drone last year 1n January, 2023.

We also have three sister teams as well. They are the Red Warriors, the Sky Blue Warriors, and the Midnight Warriors.

Game Analysis Documentation

- Having trouble completing the eclipse in time
- Need to work on communication during the eclipse mission.
- Practice using hand gestures better.
- Practice Practice Practice
- We share our information and discuss issues with our sister teams to get better.
- Our teams did not have enough in the arena kit to set everything up. The Piloting skills and autonomous required archways and extra gateways that we did not have

Drone Data and Analysis

Show documentation for any data gathered that is relevant to your drone, coding, competition.

- Flight Characteristics: Our drone continued to drift. Our drone would occasionally hit the ceiling.
- We learned that uring our autonomous programming that it would run short of the mission elements when the battery was weak. We learned to start with a full batter and keep a check on the performance.

Safety Plan

1. Wear our safety glasses

2. We took the FAA Recreational UAS Safety Test) and we wore them at this years' competition in the fall.
3. Communicate with each other on the team and with other team members.

Drone Flight Log

Year 2022/2023	**Information**	**Time**
Jan. 30th (Day 1)	Drone came in the mail. We Read the instruction manual.	1 hour
Jan. 31st (Day 2)	Fly drone and land	1 hour
Feb. 1st (Day 3)	Fly at different speeds, land and take off.	1 hour
March 3 days	Practice blowing balls around. (No Arena)	3 hours
Year 2023/2024	**Information**	**Time**
September	Received a new Arena	1 hour
September	Put arena together	3 hours
September	Practice flying drones	1 hour
Oct. 9	Drone crashed and broke props	½ hour
Oct. 13	Repair prop (class meet on changing motors out.)	1 hour
Oct. 16	Practice the Teamwork mission	½ hour
Nov 9	Practice the Teamwork	½ hour
Nov 16	Practice the Teamwork	½ hour

December	Competition	One of our teams missed a match while being judged for autonomous and they were set back in ranks several positions.
March 22, 2024	Received invite to Championship in Jackson, MS	
March 22, 2024	Pulled out the drone arena and set it up same day. (Excited)	1 hour
March 25	Praticed tweeking our autonomous mission	½ hour
March 26	Praticed tweeking our autonomous mission	½ hout
March 27	Praticed tweeking our autonomous mission	½ hour
March 28	Praticed tweeking our Piloting skills mission	½ hour
April 2	Praticed tweeking our Piloting skills mission	½ hour
April 3	Praticed tweeking our Piloting skills mission	½ hour
April 4	Practiced the Eclipse mission	½ hour

Team and Leadership

Roby Winters (10th grade) Drone pilot
Destiny Bullock (10th grade) Drone Pilot and programmer
Ross Winters (10th grade) Competition Communicator

1st Year 2022 2023

2nd Year 2022 2023