

# MECH MAVERICKS NEWSLETTER



STAY UPDATED WITH OUR TEAM!

## WEEK ONE

To begin this new month, the team had to go through the process of resizing our chassis to be smaller. That meant having to rewire some aspects of the robot and adjusting parts for our elevator design.

## WEEK THREE

As for our programming progress, members focused on the long debugging process, in order to polish up our swerve drive. Media also continued working to design a new logo for the team!

## MONTH AT A GLANCE

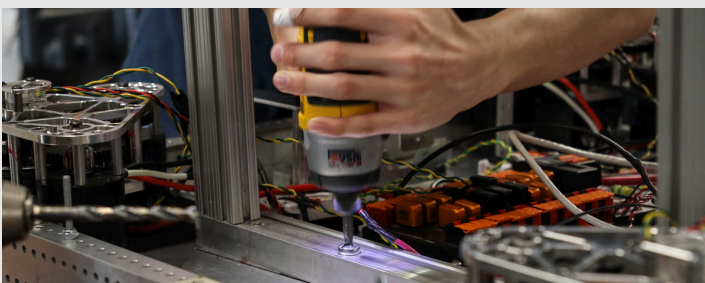


## WEEK TWO

An important week for the team, our board and media got together to discuss a new look for the Mech Mavericks. Some of our work included t-shirt design, pins, and giveaways for competition.

## WEEK FOUR

Our week started off with a work day at Cimarron Highschool, and we were able to accomplish our elevator and figure out the lifting system behind it. This was a heavy week of work, in preparation for our first scrimmage at the beginning of the new month!



*Mounting the elevator*

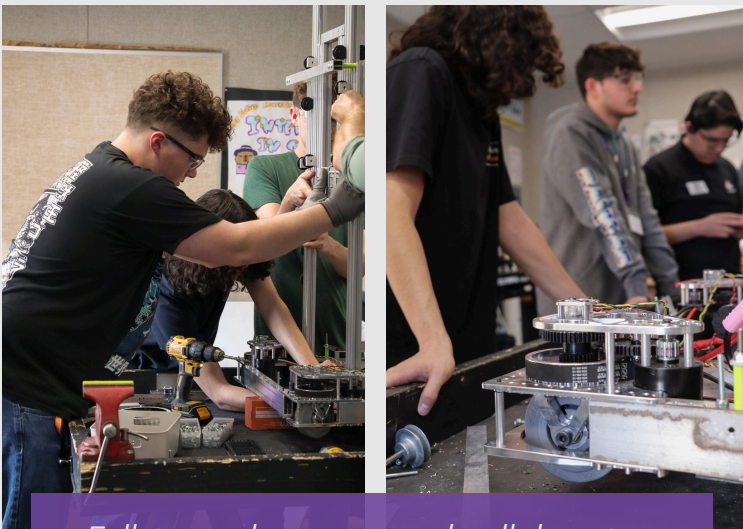
*Sizing up our robot to a game piece*



# TEAM HIGHLIGHTS



*Making progress with our elevator*



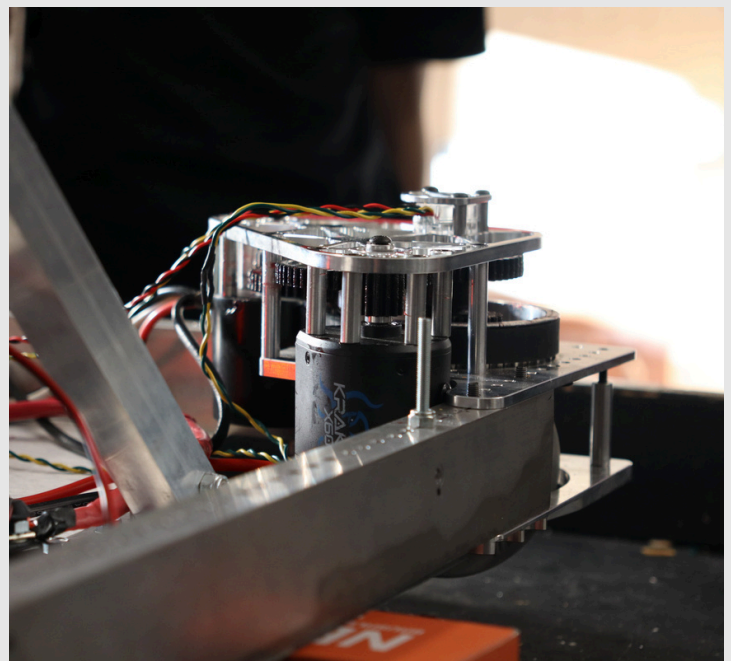
*Full-team discussion and collaboration*

## BUILD & ELECTRONICS

Build team's main focus this month was to construct our intake, elevator, and outtake mechanisms. With many challenges to overcome build has taken up the task with incredible resolve. Electronics team has not been far behind working with Build to plan out both routes for wires and ensuring that the placement of electrical components will not interfere with mechanical components. Another responsibility that our build team took on was delegating some members to the construction of bumpers to prevent both our chassis and game pieces from damage. As we near the end of the month build mounts the intake and outtake on the chassis and assemble a chain drive to operate the elevator.

## MEDIA TEAM

Media has been one of our teams that has been hard at work this month. From searching for sponsors to creating visuals for the team, they have been putting forth a lot in these past couple of weeks. An exciting development has been the possible rebranding of our team next year! As for the now, media is focusing on designing giveaways for our competition, outreach, and helping wherever help is needed in the workshop.



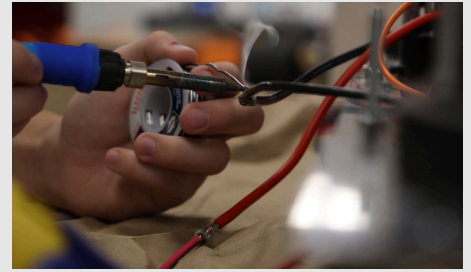


# WEEKEND WORKSHOP

## BUSY SATURDAY

To end off our month, we were fortunately able to spend a day at Cimarron Memorial High School, where we got assistance from their great advisors and the valuable time polishing our robot. Our main concerns this day were to complete the lifting mechanism for our elevator, as well as making sure our coral outtake was operating before mounting to the elevator.

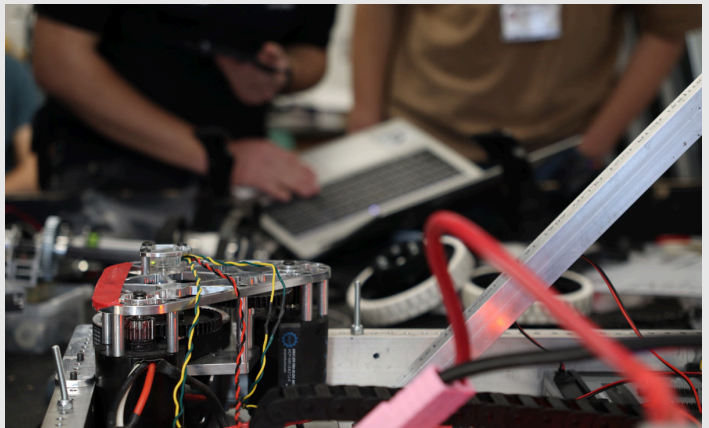
*Soldering wires*



*Polishing up outtake*

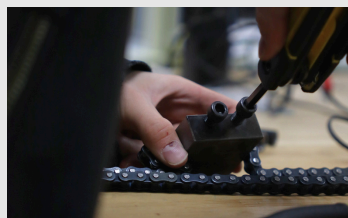


*Coding  
swerve drive*



## BACK AT OUR WORKSHOP

Back at our own workshop, our programming team worked hard to get our swerve drive modules up and running. All while our build team revised our elevator for more support and an overall smoother movement while being pulled up. The build team members that were not working on the elevator put together our simple yet effective intake design.



*Lifting mechanism*

## A STEP CLOSER TO COMPETITION