



January 16th, 2024

## Denfeld Nation Automation (DNA) Week One Update

Greetings,

DNA started the 2024 FRC season strong, accomplishing many important tasks. The Field Build subteam built the “speaker” and “amp” field elements which are the competition scoring apparatuses. This is the fastest the field build subteam has put together the field apparatuses for testing the robot. The Mechanical subteam built the swerve drive chassis and started creating prototypes, finishing the week by having built three prototypes to test.

The DNA CAD subteam fully designed the swerve drivebase, working closely with the Mechanical subteam to design the prototypes in Solidworks. The Programming subteam set up a “VFPS (Visual Fiducial Positioning System)” so they can track their robot position with the QR codes positioned around the field.

DNA's Business subteam is continuing to work on reaching their budget so they can travel to Denver Colorado for their second regional from March 20 to March 23. They are excited to be going to their second competition with FRC teams 5232 Talons, and 5690 Subzero.

We are very excited to be starting the 2024 build season! To keep up with our progress, check out our social media sites.

Facebook- Denfeld Nation Automation 4009

Website- <https://denfeldrobotics4009.org/>

Instagram- @dna4009

Thank you again for your support this year!



**ROBOTICS IS IN OUR BLOOD**

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