



# NAMCC SUMMER ROBOTICS NEWSLETTER



MADE BY FTC TEAM CYBER SALAM #26903



## THE WEEK AT A GLANCE

This week, all classes were kept together in the MP hall to work on the missions for the Robo Olympics competition together. Many teams got the ability to interact with new students and develop new ideas from each other for their own use.

Teams worked very hard this week and were very productive to get ready for next week's competition.

This week was also a challenge for some because they had a lot to get done. Despite this, mentors and others worked diligently alongside the students to make sure they were on task and focused on completing their missions.

INVITING ALL PARENTS  
TO WATCH THEIR KIDS  
SHOW OFF WHAT THEY  
HAVE BUILT AND CODED  
OVER THE SUMMER



11900 LAMAR  
NAMCC

## WHAT'S NEXT

Next week's class is reserved for the Robo Olympics competition! All parents are invited to see their kids show off what they have achieved during these summer classes.

Each team will get a 2 minutes and 30 seconds to complete a total of five missions. During this competition, students will only be allowed to touch their robots in the home zone of the field. For every time the students have to touch their robot outside of this zone, they will lose a precision token.

Good luck to all teams next week!

## FUN FACT

### The Origin of Robotics

Ideas surrounding robotics originally dates back to ancient Greece. The term “robot” was first introduced during a 1920s play called R.U.R (Rossum’s Universal Robots) by Karel Capek. The idea of “intelligent machines” is much older. It was first introduced during Homer’s the Illiad which described wheeled tripods.

Now, robots have a wide array of jobs ranging from delivering food to customers to collecting data on Mars.

## ROBO RIDDLE

### Answer to Last Riddle: Software

I'm not alive, yet I help things see,  
Mounted on robots, or drones that fly free.  
I capture the world, frame by frame,  
without me, vision's just a game.  
What am I?

## ROBOTICS IN REAL LIFE

By: Mohid Malik

Self-driving cars is a very new concept but is quite common in Austin. New self-driving cars have started running through Austin like Waymos and Tesla's RoboTaxis. Many of these companies have only begun testing this concept in Austin due to its favorable city-level conditions for autonomous vehicles.

Waymos look very different from normal cars because of the amount of sensors these cars need to operate. Although Waymos and Robotaxis look different, they both use various sensors including LiDAR sensors which heavily assist the cars for self-driving.

However, challenges may arise if things like bad weather conditions occur. Cars and sensors on them may get damaged causing malfunctioning vehicles. This is where companies like Uber have the upper hand and may be preferred.



Waymo



RoboTaxi

## CLASS HIGHLIGHTS



How classes looked this week



Team 8's and team 6-7 working hard to complete their missions



A team from class 3 finding pieces to build and coding at the same time



A team from class 2 and class 1 working together to solve the Shark mission



A mentor helping team 8's with coding

# TEAM CYBER SALAM

Team Cyber Salam is a FIRST Tech Challenge Team with a mission to spread STEAM in our Muslim community. Our team aims to accomplish this mission by assisting NAMCC with their summer program. Our team competes from September to March working tirelessly to build a robot capable of completing the robot game in the best way possible. The robot shown to the right is one iteration of our robot during the season. Throughout the season, we won many accolades including second place in our area championships (also shown to the right). We are currently looking for new members to expand our team. Age ranges range from 8<sup>th</sup> grade through high school. The application process also consists of an in-person interview with the Cyber Salam robotics team at an assigned date.

**DONATE BELOW TO CYBER SALAM TEAM!**



**AND VISIT OUR TEAM WEBSITE HERE!**



**WANT TO BECOME A MEMBER OF OUR FIRST TECH CHALLENGE TEAM?**

Scan Below to Apply!

