NAMCC SUMMER ROBOTICS NEWLSTTER

MADE BY FTC TEAM CYBER SALAM #26903

THE WEEK AT A GLANCE

This week we introduced missions for our upcoming RoboOlympics competition.. We went over the rules and addressed lots of questions from the kids. We hope that these rules are understood. We will continue to answer any questions kids have as we will spend the next few sessions working on these missions.

Teams will be expected to create robot attachments and code each mission so that all missions can be completed in 2 minutes and 30 seconds. Competition will take place on August 30th.

WHAT'S NEXT

As we approach last month of classes, more time will be focused towards the students completing their RoboOlympics missions.

Students will use the knowledge. learned in class to complete certain missions picked out from the previous FLL season. Students will need to use a combination of brainstorming ideas, building lego robot attatchments based around these missions, and programming the robot around the attatchments the students build.

We can't wait to see what students build!

FUN FACT

The First Humanoid Robot

The first humanoid robot was built in 2017 by Hanson Robotics. They gave the robot the name Sophia and she had quickly gained global attention when she gained conversational abilities and realistic facial expressions.

Sophia was built in Saudi Arabia and was given citizenship. She even appeared on shows like the *Tonight Show* with *Jimmy Fallon*.

ROBO RIDDLE

I have no mouth, yet I listen and speak.
No feet, yet I travel in paths that I seek.
I learn from the world without being alive.
Throuhg data and feedback, I steadily thrive.
I'm not human, but I mimic your ways.
Predicting your thoughts on the darkest of days.

What am I?

(Answer will be in next newsletter)

ROBOTICS IN REAL LIFE

By: Mohid Malik

This past week, my neighborhood brought 3d printing to a whole new level. 3d printed houses have begun printing in the Mueller neighborhood. This idea was brought to life by a company called Icon Homes.

Icon Homes uses a giant 3d printer nozzle to spew concrete toothpaste out of. Icon's 3d printer uses this toothpaste-like filament for the walls of the house. However, this process only begins once the foundation of the house is completed. Once the 3d printing starts, only 2-3 people are needed to maintain the printer.

Before starting 3d printing in our neighborhood, Icon started this idea in Georgetown where they made a full neighborhood of 3d printed homes.

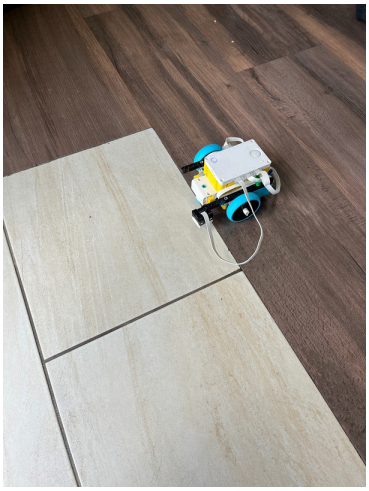
This idea is a brilliant showcase of the beauty and wide creative ability allowed through 3d printing.

CLASS 1 HIGHLIGHTS

This week at camp, students learned about variables and MyBlocks using SPIKE Prime. They experimented with completing challenges and had a bunch of “aha” moments while troubleshooting their code. Along the way, there were some productive conversations about how to work as a team and approach problems creatively. It was a fruitful session that helped everyone get a better grip on programming fundamentals.

CLASS 2 HIGHLIGHTS

In class this week, students explored programming fundamentals using SPIKE Prime, with a focus on variables and MyBlocks. They worked through a series of hands-on challenges that encouraged critical thinking and persistence. Along the way, students had meaningful discussions about collaboration and creative problem-solving. The session was engaging and productive, helping this group build a strong foundation in coding while developing essential teamwork and analytical skills in the process.



CLASS 3 HIGHLIGHTS

Campers had a rewarding week exploring variables and MyBlocks with SPIKE Prime. As they worked through coding challenges, they ran into obstacles that became valuable learning opportunities, often resulting in exciting breakthroughs. The environment encouraged teamwork and out-of-the-box thinking, prompting great discussions on collaboration and strategy. Overall, it was a fun and enriching experience that strengthened their programming knowledge and gave them a solid base for future learning in robotics and 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 assissting 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 8th grade through high school. The application process also consists of an in-person interview with the Cyber Salam robotics team at an assigned date.

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

Scan Below to Apply!