



June 21, 2024

Welcome Parents and Campers to the 2024
Cranbrook Robotics Summer Day Camp

Camp counselors and staff are delighted to welcome your kids to
Robotics Camp!

The first week was a hot one, but the campers were having so much
fun learning, playing, and building that they hardly noticed!
Below you will find many details about your campers' time here, this
week. In addition to teaching your kids about Robotics, the
instructors took them to the Natatorium for a swim and explored the
Cranbrook Institute of Science.

We look forward to seeing you at the Parent Visiting Day today.
You should have received an email with the details however the
information will also be included at the end of this newsletter!

WEDO AND BOOST 2024



WEDO AND BOOST 2024

-ANTHONY-

ANTHONY WAS A HAPPY CAMPER THIS WEEK; WORKING HARD ON HIS CAT ROBOT. HE ALWAYS SAT AT A TABLE SURROUNDED BY FRIENDS, AND REALLY ENJOYED HIS TIME OUTSIDE!

-ARIK-

LEO WAS VERY FRIENDLY TO ALL OF THE CAMPERS. HE GOT ALONG WELL WITH EVERYONE, ESPECIALLY SEBASTIAN! THE TWO OF THEM SPENT THEIR OUTSIDE BREAKS PLAYING HIDE AND SEEK, AND BUILDING THEIR ROBOTS NEXT TO EACH OTHER.

-AXEL-

REALLY ENJOYED FINDING ROLY-POLYS WHEN WE WERE OUTSIDE, AND GOT MANY OF THE CAMPERS TO JOIN HIM. HE ENJOYED BUILDING A ROBOT THIS WEEK AS WELL AS PARTICIPATING IN OUR MOVIE TIMES.

-CHARLIE-

CHARLIE BECAME BEST FRIENDS WITH ONE OF OUR INSTRUCTORS (MICHELLE) LATER IN THE WEEK. HE ENJOYED BUILDING AND DRIVING HIS ROBOTS, AS WELL AS HELPING OTHER CAMPERS SINCE HE FINISHED HIS PROJECTS EARLY!!!

-ELEANOR-

NORA WAS A LEADER FOR OUR GIRLS; GUIDING THEM TO WASH HANDS, AND LEADING THE CAMPS LINE TO SNACKS! SHE IS VERY RESPECTFUL AND ALWAYS LISTENS TO DIRECTIONS. SHE WORKED EFFICIENTLY AND WAS QUITE INDEPENDENT THROUGHOUT THE WEEK.

-EMAN-

EMAN WORKED CLOSELY WITH STEELE AS THEY SPENT LUNCH, SNACK, AND BUILD TIME TOGETHER. SHE ENJOYED WORKING AT THE WEDO TABLE AND COMPLETED AN IMPRESSIVE HELICOPTER.

-FRANKLIN-

FRANKLIN IS SUCH A SWEET CAMPER AND ALWAYS SHOWS UP WITH A BIG SMILE ON HIS FACE! THIS WEEK HE WORKED HARD AND IS EXCITED TO SHOW OFF HIS CAT!!

JOSEPH-

JOSEPH WORKED DILIGENTLY ON HIS PROJECT AND BECAME QUITE FAST IN A SHORT PERIOD OF TIME. HE WAS SO CONSIDERATE OF THE OTHER CAMPERS AND HELPED FIND PIECES WHEN HIS FELLOW CAMPERS NEEDED HELP!

-LANDRY_

LANDRY IS A VERY HARD-WORKING CAMPER. SHE IS VERY CONSIDERATE OF OTHER CAMPERS; ALWAYS ASKING FIRST BEFORE LOOKING IN THEIR BINS AND ALWAYS SHARING HER BIN WITH OTHERS!

-LEVI-

LEVI IS EXTREMELY ENERGETIC AND CONSISTENTLY RAISED HIS HAND TO ASK FOR ASSISTANCE. HE LOVED SNACK TIME AND RUNNING AROUND PLAYING WITH THE OTHER CAMPERS.

-LUCA-

LUCA WORKED VERY HARD ALL WEEK ON HIS PROJECTS, AND OFTENTIMES COULD FIND PIECES ON HIS OWN!!

-MARCUS-

MARCUS IS VERY GOOD AT STAYING ON TASK. HE WAS KEENLY FOCUSED ALL THROUGHOUT THE WEEK WHEN BUILDING HIS CAT, AND WAS QUICK, AT THAT!!!!

-MICHAEL-

MICHAEL IS AN ENERGETIC AND CREATIVE CAMPER. HE IS HARD-WORKING AND FOCUSED VERY WELL WHEN BUILDING HIS ROBOT!

-NATHAN-

NATHAN FINISHED BUILDING A RACING ROBOT QUICKLY AND HAS NOW MOVED ON TO BUILDING A VERY COOL ROBOT CAT!!

-PARKER-

PARKER IS A GREAT COMMUNICATOR AND IS ALWAYS HAVING GOOD CONVERSATIONS WITH HIS FELLOW CAMPERS. PARKER IS CURRENTLY WORKING ON A ROBOT CAT!!!

-SAYER-

SAYER WORKS HARD TO FIND THE PIECES THAT HE NEEDS TO COMPLETE HIS ROBOT AND IS NOW WORKING ON BUILDING A ROBOTIC LIFT!!

-SEBASTIAN-

SEBASTIAN IS WORKING ON CODING A ROBOT TO RACE WITH OTHER CAMPERS, PLUS BUILDING HIS GUITAR. HE STAYS ON TASK WELL, WHILE HELPING OTHER.

-STEELE-

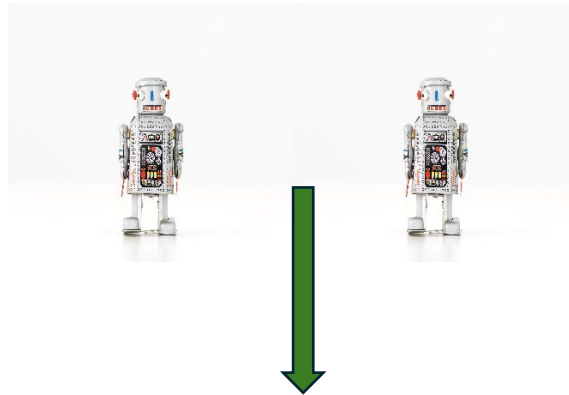
STEELE WORKS HARD AT HELPING OTHER CAMPERS WITH THEIR ROBOTS. HE BUILT A PULLING ROBOT, AND IS NOW WORKING ON AN ACTIVITY THAT BUILDS A ROBOT THAT PREVENTS FLOODING!!

-THOMAS-

THOMAS LOVED TO ADD CREATIVE PARTS AND PIECES TO HIS RACING ROBOT AND IS NOW WORKING TO BUILD A NUTCRACKER ROBOT.

-YATES-

YATES IS BUILDING AND CODING MILO, THE SCIENCE ROVER, AND IS SO HELPFUL AND CONSIDERATE WITH OTHER CAMPERS.



VEX-GO 2024



VEX-GO-2024

-ADAM-

ADAM IS VERY SOCIAL AND EASILY MAKES FRIENDS WITH EVERYONE. HE IS PATIENT WHEN BUILDING HIS CODING PROJECTS, AND EASILY COMPLETES ALL OF THEM. HE IS A QUICK LEARNER AND BRINGS LOTS OF ENERGY TO THE CLASSROOM.

-ARLO-

ARLO IS VERY OUTGOING AND A BRIGHT LIGHT FOR EVERYONE. HE SOCIALIZES WELL WITH THE OTHER CAMPERS. HE LOVED BUILDING THE IPAD CONTROLLED CAR, AND NOT ONLY DID HE LEARN TO USE THE CONTROLLER, HE ALSO CODED HIS ROBOT TO GO THROUGH THE MAZE ON IT'S OWN. AFTER CAMP HE LEADS HIS CAMPERS IN A GAME OF "NIGHT AT THE MUSEUM", WHILE WAITING OUTSIDE FOR PICKUP!

-AUGUST-

AUGGIE IS A SMART, KIND CAMPER. HE IS ALWAYS FINISHING HIS PROJECTS QUICKLY AND USES HIS CREATIVITY TO UPGRADE AND MAKE HIS ROBOT GO ABOVE AND BEYOND. HE EVEN MADE A CATAPULT FROM SCRATCH WITHOUT ANY INSTRUCTIONS FROM THE IPAD. AUGGIE TREATS OTHER CAMPERS WITH RESPECT AND ALWAYS OFFERS A HELPING HAND. HE LOVES LUNCH AND SWIMMING!

-EMI-

EMI STARTED CAMP QUIETLY, BUT OPENED UP OVER THE PAST FEW DAYS AND HAS MADE MANY, MANY FRIENDS!! SHE HAS SO MUCH FUN DURING SNACK TIME AND RECESS; PLAYING GAMES AND TALKING TO OTHER CAMPERS. EMI IS INDEPENDENT AND CAN BUILD ROBOTS ON HER OWN!

-ETHAN-

ETHAN IS SUPER FUN TO BE AROUND; HE REALLY ENJOYED EXPLORING THE SCIENCE MUSEUM AND GOING SWIMMING; HE JUMPED OFF THE BIG KIDS DIVING BOARD MANY TIMES! ETHAN IS ALSO INDEPENDENT WHILE BUILDING HIS ROBOTS. WE LOVE TO WATCH HIM AT WORK!

-GAVIN-

GAVIN WORKS DILIGENTLY TO CREATE HIS ROBOTS, AND ALWAYS RAISES HIS HAND IF HE WANTS TO DISCUSS HIS PROJECT WITH AN INSTRUCTOR, OR NEEDS MORE PIECES. HE COLLABORATES AND COMMUNICATES VERY WELL WITH BOTH CAMPERS AND COUNSELORS. HE RESPECTS DIRECTIONS AND IS ALWAYS ENGAGED IN GROUP ACTIVITIES DURING RECESS.

-GREYSON-

GREYSON WORKED DILIGENTLY TO COMPLETE EACH OF HIS CREATIONS. HE RESPECTFULLY CREATED RACETRACKS AND OBSTACLES TO MOVE HIS ROBOTS AROUND, AND WAS ALWAYS WILLING TO HELP OTHERS AFTER HE FINISHED. HE IS ALWAYS KIND TO THE OTHER CAMPERS!

-JACKSON-

JACKSON IS A KIND AND CONSIDERATE CAMPER. HE ALWAYS RAISES HIS HAND IF HE NEEDS HELP AND MAKES SURE EVERYONE AROUND HIM IS OKAY, AND HAVING A GREAT DAY! HE DILIGENTLY WORKED ON PROJECTS THIS ENTIRE WEEK, ALWAYS WITH A SMILE ON HIS FACE!!!!

-JACOB-

JACOB WAS A VERY FRIENDLY CAMPER AND GOT ALONG WITH EVERYONE SO WELL!!
HE ALWAYS LISTENED TO DIRECTIONS AND WAS WELL-BEHAVED WHEN
INSTRUCTIONS WERE GIVEN FOR THE BUILDING OF THE ROBOTS. HE REALLY
ENJOYED WORKING ON DIFFERENT TYPES OF ROBOTS WE BUILT THROUGHOUT THE
WEEK!

-JAMES-

JAMES ROBOTIC SKILLS WERE IMPRESSIVE, AND SO WAS HIS COOL STYLE THIS
WEEK. HE BUILT HIS ROBOT AND HELPED CREATE A BASKETBALL GAME FOR IT,
USING SOME INGENIOUS ENGINEERING. HE IS KIND, AND WAITS HIS TURN
DURING SNACK AND LUNCH, ALWAYS PLAYING GAMES IN A RESPECTFUL MANNER.

-JOHNNY-

JOHNNY HAD SO MUCH FUN DURING THE PAST WEEK AT CAMP. HE BUILT SEVERAL
VEXGO ROBOTS, INCLUDING CLAW, A SLINGSHOT CAR, AND A ROBOT CAR THAT CAN
BE CONTROLLED WITH AN IPAD TO GO THROUGH AN OBSTACLE COURSE.

-MALIK-

MALIK WAS A VERY RESPECTFUL CAMPER AND GOT ALONG GREAT WITH EVERYONE IN
HIS CLASS. HE ACTED AS A GREAT LEADER AND HELPED CREATE A CARNIVAL
BASKETBALL GAME THAT HE WAS ABLE TO OPERATE WITH HIS ROBOT. MALIK REALLY
ENJOYED SWIMMING AND HANGING OUT WITH HIS FRIENDS OUTSIDE.

-MARTIN-

MARTIN WORKED HARD DURING BUILD TIME TO COMPLETE VARIOUS PROJECTS. HE
IS RESPECTFUL AND QUIET WHEN OTHERS ARE SPEAKING, PARTICIPATES IN GROUP
ACTIVITIES, AND WAITS HIS TURN RESPECTFULLY, DURING SNACK AND LUNCH. HE
IS ALWAYS KIND TOWARDS OTHERS; WILLING TO HELP WHENEVER HE GETS THE
CHANCE!!

-MARLOWE-

MARLOWE IS RESPECTFUL, BRIGHT, AND OUTGOING. SHE ALWAYS LISTENS
CAREFULLY TO DIRECTIONS AND BUILDS HER ROBOTS WITH EASE. SHE LOVES TO
PLAY TAG DURING RECESS AND ENJOYS ASKING OTHERS ABOUT THEIR ROBOTS!

-OMAR-

ALTHOUGH OMAR CAME TO CAMP A BIT LATER THAN OTHERS, HE ACCLIMATED WELL TO THE ENVIRONMENT, IMMEDIATELY BUILDING THE MORE DIFFICULT ROBOTS THAT OTHER CAMPERS WERE BUILDING. HE IS A QUICK LEARNER AND FOLLOWS INSTRUCTIONS WELL. OMAR HAS FUN PLAYING WITH OTHER CAMPERS DURING SNACK AND LUNCH!

-RISHI-

RISHI ALWAYS LISTENS TO DIRECTIONS AND CONSISTENTLY SHOWS RESPECT TOWARDS HIS INSTRUCTORS AND FELLOW CAMPERS. HE WORKS CAREFULLY TO BUILD HIS ROBOTS AND RAISES HIS HAND WHEN HE NEEDS TO BOUNCE OFF IDEAS TO THE COUNSELORS. RISHI'S DESK IS ALWAYS CLEAN AT THE END OF THE DAY!!

-ROMAN-

ROMAN WAS A VERY INQUISITIVE CAMPER AND ALWAYS ASKING ROBOTICS RELATED QUESTIONS THAT WERE QUITE ADVANCED. HE BUILT HIS ROBOT QUICKLY AND ENJOYED DRIVING IT AROUND WITH HIS FELLOW CAMPERS. HE WAS ALWAYS WELL-BEHAVED AND ENTHUSIASTIC TO BE AT CAMP!!

-SIENA-

SIENA IS A VERY HARD WORKER; ALWAYS LISTENING TO DIRECTIONS INTENTLY. SHE IS CONSISTENTLY HELPING HER TABLE MATES WITH STEPS, AND RESPECTFULLY PLAYS WITH OTHER. SIENA BUILDS VERY CREATIVE ROBOTS AND ENCOURAGES OTHERS TO BE CREATIVE, AS WELL.

--WESLEY-

WESLEY GETS ALONG WITH THE OTHER CAMPERS VERY WELL. HE WORKS HARD DURING BUILD TIME AND IS ALWAYS INVOLVED IN THE ACTIVITIES DURING SNACK TIME AND LUNCH. WHENEVER HE NEEDS HELP FINDING A PIECE, HE RAISES HIS HAND AND PATIENTLY WAITS FOR THE INSTRUCTOR TO HELP. OTHER CAMPERS ARE ALWAYS INTERESTED IN WATCHING WESLEY BUILD HIS ROBOT.

-ZACH-

ZACH WAS A VERY ENERGETIC CAMPER THIS WEEK, WHO BROUGHT A BRIGHT LIGHT INTO THE CLASSROOM. HE WAS QUICK TO FINISH THE CAR, CLAW, AND CODING CHALLENGES. NOT ONLY DID HE FINISH HIS OWN WORK, BUT HE WAS ALWAYS READY TO LEND A HELPING HAND TO OTHER CAMPERS WHO NEEDED HELP.

VEX IQ 2024



VEX IQ 2024

Our Vex IQ instructors, Mr. Bobby, Ms. Grace, Mr. Vik, and Ms. Joanie have all been looking forward to starting a great week of camp! All of the campers made this week exceptional, with everyone learning how to construct and program their robots for the VEX IQ competition. While a few students came in with prior experience with VEX IQ, most were newly introduced, and each individual rapidly grew their understanding.

This season's competition is called "Rapid Relay". The object of the game is to score points by clearing switches, passing and scoring the balls. Campers could build a robot from instructions, called "Swish", or create their own design. Robots were programmed using a graphic software called VEXcode IQ, which is based on the Python programming language.

Emma, Joelle, and Alicia built a Swish. They paid close attention to details and worked well together, showing a lot of perseverance to overcome challenges and get their robot working.

Aya and Yana built a Swish. They were diligent about getting the right parts and were very enthusiastic throughout camp.

Rose and Avery built a robot which focused on quickness and scoring balls in the lower goals. They also added some decorative gold gears.

Yanbo, Tien and Nishaansh built a Swish, and then improved on the design. They came up with and built a strafing mechanism for their robot to move sideways.

Neil explored his own design and his final robot relied on a puncher instead of a catapult to pass or score balls to obtain points .

Olivia and Gulianna built a Swish. They showed talent and patience in their ability to build and debug.

Zachary L, Max L, and Akshar were excited to build their version of Swish. They were the first to get it built and running.

Max F, Kellan, and Jack tried different ideas, building 3 different robots in 3 days! They wound up with a 4-bar lift design with an intake.

Zachary M. and Leo decided to try another type of catapult robot, which used a linkage to release the arm.

Jacob, Zayd, and Freddy impressed the instructors with their own design, a robot which used a set of intake rollers to take the ball up a ramp and into the goal. They also created an autonomous program to have the robot score balls by itself.

Katherine and Julian discussed different ideas before building a Swish. They practiced driving it to find the best places to launch the balls.

At the Cranbrook Institute of Science on Tuesday, campers exhibited enthusiasm, and were interested in all the museum has to offer. On Wednesday, the campers enjoyed a break from robotics and the heat at the Natatorium.

As week one of camp comes to an end, it was a very enjoyable and successful time to explore both engineering and robotics, while most importantly being able to make new friends and fun memories. The campers will finish the week by participating in a VEX IQ Rapid Relay tournament, where they can demonstrate their robots in official Teamwork Challenge rounds and Skills runs.



2024

PARENTS OF ROBOTIC CAMPERS

Please join us as we celebrate the culmination of your children's hard work this week in Robotics Camp.

We are so proud of our campers and hope you will be able to be here as they show off their favorite projects.

SHOW AND TELL 2024

Parking will be in the 550 Lone Pine Road Parking Lot

There will be a staff member to guide you to your child's location once you park.

WeDo-	2:30 p.m.
Boost	2:30 p.m.
Vex Go	2:30 p.m.
Vex IQ	2.15 p.m.

**If you are unable to attend, please RSVP to:
roboticsdaycamp@cranbrook.edu**

