

June 28, 2024



We are well into our 2nd week of Robotics Camp and our Campers are showing us just how creative and motivated they are! Besides designing, building, and learning to code with new and old friends; they swam at the Natatorium and journeyed over to the Cranbrook Institute of Science! Below you will find a few details about your campers' time here this week.

We hope to see you on Friday, June 28th for Parent Visiting Day.

PARENTS OF ROBOTIC CAMPERS

Please join us as we celebrate the culmination of your children's hard work this week in Robotics Camp on Friday, June 28th.

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 & Boost - 2:30 PM

Vex-Go - 2:30 PM

Vex-IQ - 2:15 PM

WeDo & Boost '24



Aiden was a respectful and fun camper. He is always working hard on his robot, sure to try his best to find pieces on his own before asking for help. Aiden listens carefully to directions and never makes the counselors repeat instructions twice. He completed several projects such as Milo the Science Rover. Aiden liked exploring the science museum and watching the Lego Movie when he was tired from building.

Dylan was a bright and excited camper the second he walked in on Monday. He quickly made new friends and stayed close to his friend Reid. Dylan was always kind to the other campers and worked hard on his robots. He really loved going swimming and playing outside during snack and lunch. Dylan became best friends with Miss Michelle. He also enjoyed watching the Lego Movie and doing dance parties every day.

Eman's second week at camp might be better than her first! She is super friendly and kind to the other campers, always making new friends, talking to others, and using her expertise to help her fellow campers. Eman is always cracking jokes and telling us awesome stories. She is also quite respectful when listening to directions. She loved going to the science museum again and swimming.

Gabrielle is such a cutie, always being considerate and letting other kids look in her Lego bin. She became close friends with Mabel, playing together at snack and lunch. Gabrielle built many robots, like Milo the Science Rover and the Spinning Frog robot. She barely received any help from counselors because she was so good at following the instructions on her iPad. She liked going swimming, visiting the science museum, and most of all- visiting her brother whenever she had the chance!

George is such a great instruction follower, and he made so many new friends. He is always gives a helping hand to the kids nearby when needed. George completed many of the projects on the WeDo Lego app, needing little to no help finding pieces. He loves talking to friends during lunch and snack, exploring the science museum and had so much fun swimming at the natatorium. George is such a pleasure to have at camp!

Jori is such a fun and sweet spirit. She is constantly working hard on her robot and helping others. She made several Lego trinket robots and loved going to the science museum, swimming, and watching the Lego movie. She quickly made many friends and is kind and respectful during playtime at snack and lunch. She also brought her slime and let friends play with it.

Kyle is such an energetic and hardworking kid. All throughout the camp he was always independently working on different robots and helping others when he could. He had so much fun at the museum and pool. He was an enjoyable kid to have around, always talking and having fun.

Lucas was always working, building and creating new projects with barely any help from the instructors! Although he was a bit quieter than the other kids, he was always seen playing with the campers and having so much fun! He especially loved playing with the beach ball!

Mabel was always bright and bubbly and was inseparable from her best friend Gabrielle! She worked on building a pulling robot and showed independence with her building. She is very kind and respectful to all the other campers and made sure to always help others!

Reid and his best friend Dylan were practically inseparable as they sat together and worked on their robots. Reid always had a smile on his face during the day. Using his watch, he enjoyed comparing how many steps he took during the day with other instructors and campers. Reid is always first to listen to directions, getting into lines first and setting a great example for other campers to follow.

(Arik) Leo's second week of camp, he decided to work on the more complicated robot. He built it much faster this time with less help in finding parts. He loves to make us laugh with his stories and is always so excited to share!. He was patient and helped his friends, and he liked going to the science museum, swimming, and watching the Lego movie.

Hayden was a total rockstar at camp finishing the most complicated robot in 2-3 days...a new record at robotics camp. He built his robot with almost no help at all showing how skilled he is at robotics. He helped his peers around him, and enjoyed having the extra time to play, code and add accessories onto his robot. His favorite song this week was Bones and loved listening to it during the day.

!Luca exceeded expectations when he independently built his robot in the 2nd week. He always makes the other campers laugh and is a bright light at camp. The campers compliment Luca on his outfits and bucket hat, every day! No doubt, Luca has some great dance moves as he's always dancing to the music from our Just Dance videos that we play in class. His favorite move is "the worm!"

Lucas is an excellent and smart camper. He worked very hard building his forklift and was very generous and polite when letting others look in his bin for pieces. He was a pleasure to talk to and have at the camp.

Although **Mason** came later than the other campers, he acclimated great and made many new friends quickly. He is experienced in Lego Boost and decided to take on building the complicated cat robot on the second to last day. I think that **Mason** can complete it before parent visiting day!!

Noland was a bright and positive camper this entire week. He worked hard to build his guitar and always generously shared pieces and worked with the other campers. He loved to play with the beachball at lunch and snack and had a great time walking through the science museum!

Opal was a bright and happy camper each and every day. She loved dancing and singing to Taylor Swift during our lunch and snack breaks. Obsessed with her slinky, she loved visiting Ms. Wendy to draw and color. When visiting the CIS she enjoyed looking at the opals in the rock exhibit. Overall, she enjoyed robotics camp because she loves being with her twin brother Oscar, and is always looking out for him.

Oscar worked hard this week to build his robotic lift. He always was one of the first to listen to instructions and is very kind to everyone. He loved going swimming on Wednesday and telling stories on his experience going to the museum "hundreds of times"!

For his second week at robotics camp, **Thomas** worked on his guitar with his experience from the first week he showed a lot of independence. From being able to find the pieces he needs and building he was efficient and focused. He got along well with all of the campers and loves to talk about his favorite TV show, the Octonauts!

Veer was a lovely camper all week. Although on the shy side he was the camper who always allowed everyone to look and search for pieces in his bin, truly showing how caring and generous he is. He enjoyed watching some of the movies throughout the week as well such as Turbo and The Lego Movie. Veer also enjoyed our time at the CIS with Mrs. Soheila



VEX-GO '24



Aliya is a diligent worker who consistently follows directions and shows kindness to others. She is always ready to assist her peers with tasks and interacts respectfully with everyone. Aliya enjoyed working on the various robots we built throughout the week.

Annette is respectful, intelligent, and outgoing. She always pays attention to instructions and builds her robots with ease. She finished the robots quickly and was always excited about what we would make next. Annette worked carefully on projects throughout the week, always smiling.

Aston is a very kind and thoughtful camper. He is always well-behaved and listens to the instructors when directions are given to build the robots. He is always engaged in group activities and enjoys playing with his fellow campers during recess.

Auggie is very intelligent and considerate. He is always one of the first campers to finish his project and seeks advanced enhancements for his robots. Auggie never fails to make people smile and constantly lends a helping hand to those in need. He is a very curious camper who follows instructions when provided.

Beckett consistently listens to directions and demonstrates respect towards his instructors and fellow campers. He carefully works on building his robots and raises his hand when he needs help. He was always well-behaved, enthusiastic about being at camp, and willing to help others.

Q is a determined hard worker who always listens to instructions and raises her hand when she requires help. She works independently while building robots, requiring little to no help from instructors. Q is very kind to others, and she always cleans her desk at the end of the day without being asked.

Christian is a dedicated worker when it comes to building his robots. He is very well-behaved and gets along well with his peers. He patiently builds his projects and completes them easily without needing assistance. Christian socializes well with the other campers and has a lot of fun playing with them during recess.

Emi is a friendly and entertaining camper who gets along with everyone in class. She is incredibly independent and can create the robots on her own. Emi always raised her hand when she needed help. She had a great time during snack and recess, playing games and talking to the other campers.

Gabby is a joy to be around; she really enjoyed swimming and playing with her fellow campers. She never hesitated to ask for help and always raised her hand when she needed assistance. Gabby is very friendly, respects the instructors, and collaborates and communicates well with her peers.

Ilay is a very kind person to be around. He worked diligently on each of his creations and never hesitated to ask questions, showing a keen interest in the robots we built throughout the week. He had a lot of fun during snack time and recess, engaging with others in games and conversations. Ilay was always polite and enthusiastic about being at camp.

Ivy made many friends this week at camp. Every recess and group activity she was always participating in. She tackled every engineering problem with composure and perseverance. Even the hardest builds did not stop her progress. On the rare occasions that she needed assistance finding a missing piece, she asked respectfully and with patience.

Lars was an excellent camper this week who made many friends. He is highly skilled in engineering and coding and was always willing to help fellow campers if they needed it. He always participated in recess games and regularly listened to directions. He was a great role-model to the other campers, and always included others.

Marlowe made even more friends during her second week at camp. She helped others as she was already familiar with the Vex Go parts, and organized tag every day at recess. She treated others with respect and always was a model camper. She made various robotic arms and animals, and practiced coding and driving with each of her builds.

Martin continued to show his skills in robotics his second week at camp. He made many new friends and was constantly participating in recess (he created a new game that involved a beach ball that other campers really enjoyed). He rarely needed help with his projects and was always willing to help his table mates.

Maya was a very respectful camper this week who consistently followed directions. She always played during recess and loved singing and dancing. She created multiple projects this week, and always quietly raised her hand when she needed assistance. She persevered through each of her creations, and always saw them to the end.

Rishi continued to show creativity his second week at camp. This week, he worked with Martin to create a robotic arm. During recess and swimming, he socialized well with the other campers. He always listened to directions and set a great example to the other campers.

Sam made many new friends at camp this week and built multiple projects. He showed high skill in building and coding and was always having fun at recess. He listened well to directions and treated other campers with respect. The campers loved having him this week.

William was a very kind and respectful camper this week. Whenever he needed help, he always raised his hand and waited for an instructor to assist him. He consistently followed directions and participated in recess games. He is extremely skilled in robotics and communicates well with all the other campers.

Zach helped Izzy and others every day to create their projects. He is extremely skilled in robotics and can persevere his way through extremely complex builds. He rarely needs assistance, and other campers are always going to him for help. During recess, he makes sure to include everyone and always partakes in group activities.



Vex-IQ '24



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 balls and scoring 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.

Aaryan and Veer teamed up to build a robot of their own design. Through their design process, they created an intake lift bot. Not only did they build a unique robot; they exhibited a high knowledge of coding displayed by their driver control program.

Rose and Avery continued with the robot that they built last week, which has a set of intake rollers that convey balls from the ground to the lower goal. Both of them practiced their driving skills to get the perfect passes and scores, diligently working with each other and other groups to reach this goal. They also started working on a conveyor belt to load balls for each game.

Allison and Samantha joined Yana and started with a Swish robot, but then built a robot with intakes to pick up balls and to score them. All of the girls were hardworking, and they each made sure everyone had a chance to contribute. After finishing, the team practiced driving their new robot.

Hudson and Phineas teamed up to make their own version of Swish, using the divide and conquer strategy to finish faster. They each built different parts of their robot and combined them at the end to finish their masterpiece. Both Hudson and Phineas had a lot of fun at the science museum and brought life to their group.

Neil and Riyan joined Jacob and worked to improve the robot Jacob built last week. They made it faster by changing the gearing on the base. After finishing their robot, the group decided to test their limits by programming their robot and learn about the complex VEX IQ coding system.

Zachary L and Max L teamed up again and decided to go in a different direction, an intake roller robot. Finishing the robot early, the group immediately started practicing driving and they came up with an amazing team name!

Max F, Kellan, and Matthew teamed up this week. They liked Max and Kellan's design from last week, which has an intake mounted on a 4 bar lift. They improved the robot to make it faster. They also built a secondary robot to experiment with different VEX IQ sensors.

Katherine stayed with her Swish robot from last week. She showed other teams how it works and how to get a Swish robot to score consistently. She enjoyed practicing driving not only her own robot, but also the example intake robot.

Noah, Andrew, and Avi teamed up to make a robot of their own design. They wanted a faster robot with a catapult. They worked on a linkage system to wind up the catapult, instead of the traditional ratchet system used with a swish. After different iterations, this design ended up being successful.

Amelia, Ying, and Yu teamed up to make a Swish. They were very polite and diligent workers who worked very well together. When they encountered a challenge, they all thought about the best solution and worked as a team to fix it.

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 two 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.

