



## **Introduction of Our School**

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School name: Christian Academy in Japan

School address: 1-2-14 Shinkawa-cho Higashikurume-shi Tokyo 203-0013 Japan

School URL: <http://www.caj.ac.jp>

PR message: *Equipping students to impact Japan and the world for Christ.*

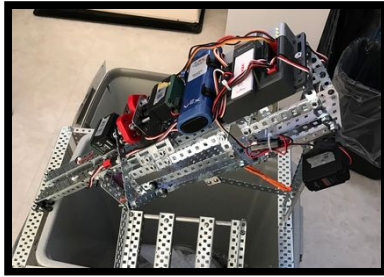
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## **Christian Academy in Japan (CAJ)**

Christian Academy in Japan (CAJ) is a K-12 school established in 1950 to provide education to the children of evangelical missionaries. While continuing in this purpose, CAJ also serves other families who desire this type of education for their children. We serve approximately 450 students in our day school program and more than 300 students in our School Support Services program. Our program uses English as the language of instruction and a North American curriculum.

Established in 2015, our Competitive Robotics team has been involved in the field of robotics through VEX Robotics Competitions, consistently scoring the top score for Skills in Japan each year, and receiving the Japan Design Award for the past two years. Recently, our team was able to place 33rd in the Technology Division at VEX Worlds 2018, one of the largest robotics competitions in the world..

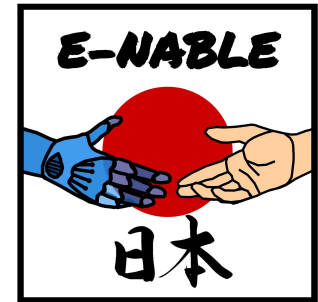




Beyond this, we have also been involved in various online challenges sponsored by AutoDesk, VEX, and the REC Foundation, becoming finalists in two or more categories each year since 2016. One of the challenges we registered in was the FUTURE Foundation Challenge, in which we were to design a robot that could provide companionship, assist with simple tasks, and be integrated into a home environment of the future. In this challenge, we designed a robot which we affectionately named

“Betsie”, a play on the Japanese word *betsu*, which means “to sort”. This robot was capable of distinguishing glass, cans, and pet bottles from one another using light density sensors, and could sort them depending on what material they were. With this design, we were awarded 1st place winners of the world. This was just one of the many achievements we were able to gain from our few years in competing with VEX.

Along with our involvement in competitive robotics, we have opened up a chapter of E-NABLE starting this year. E-NABLE is a community comprised of people from all over the globe with the desire to lend a hand to those without. With the use of our 3D printers, we are able to create free 3D printed hands and arms for those in need of an upper limb device. By opening the second chapter of E-NABLE here in Japan, we aspire to serve the global community by directly impacting the lives of others regardless of where they are in the world.



This year, we really wanted to reach out to the elementary division of our school and get them involved. In order to do this, we started a 3D modeling club for the elementary students led by the high school E-NABLE club members. Our curriculum focused on letting the elementary students embrace their creative thinking through exploration and hands on experience. With the cooperation of students and teachers from every area of discipline, we’ve had a successful year!