

**KEY  
INFORMATION**

**June 26, 2019:  
Application deadline**

**June 30:  
Notification of  
Acceptance  
by e-mail no later  
than June 30**

**Class Dates:  
July 8 to July 19**

**Tuition is \$500 for  
the ten-day course.**

Apply on-line at  
[www.starschallenge.org](http://www.starschallenge.org)

**Come Explore with Us**

Are you looking for something fun and creative? Do you like exploring? Do you wonder about the future? We invite you to spend two weeks with a group of curious girls like yourself. You'll have fun discovering new skills in the increasingly important worlds of computing and robotics. You'll get to talk with professional women who'll share their stories of finding their passion and answer your questions.



You'll learn to code, then use your coding skills to create the "brain" of a robot that will allow the robot to sense its environment and react accordingly – all by itself. Do you want to study medicine, biology, biotech or another high tech area? Coding and robotics will play increasingly important roles in all scientific fields.

This program will be a hands on adventure. You'll be exposed to coding and the use of sensors to gather information from the world around you and direct the robot. You need to be curious and interested in exploring. You don't need to know computer programming.

We're excited to be able to operate out of the research wing at High Technology High School this year. Mr. Roche and Mr. Hanas will be teaching the course assisted by their team of TAs who are current HTHS students.

**What's Going to Happen?**

You'll learn coding, discover basic principles of programming common to a number of different programming languages, and develop your first programs in Python. You'll experiment with a 3D printer and create your own simple apps to run on any Android phone or tablet.

You'll build a VEX Robot and assemble a testbed of sensors to allow your VEX Robot to interact with the environment. You'll use your coding skills to program and control the robots as they interact with their environment. Finally, you'll use all your skills to participate in a remote-controlled game like the ones in the VEX Robotics Competitions.



**Dates and Times**

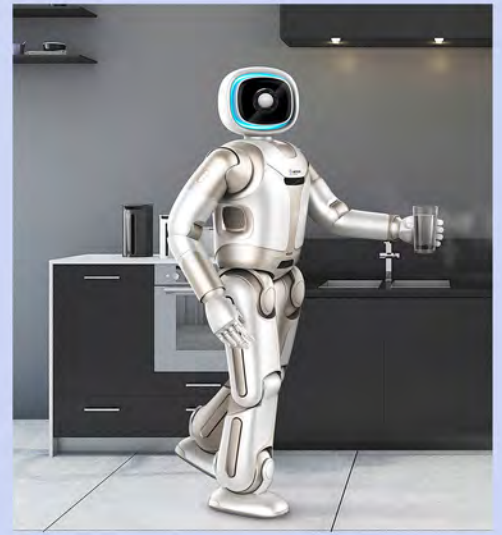
Classes will meet from 8:00 AM – 1:00 PM at HTHS on the campus of Brookdale Community College. Students must provide their own transportation and should bring their own snacks and lunch.

This camp is for girls only so you'll learn coding and robotics in a team environment where everyone is learning together.

**Pre-requisites**

The program is open to girls who have completed the 6th, 7th, or 8th grade by June, 2019. Students must have earned a "B" or better in the current year's science course.





Explore the stories behind these robots by clicking on each picture. Looking at a paper copy? Go to [www.starschallenge.org](http://www.starschallenge.org) and select the Girls Coding and Robotics Camp. Or, simply scan the QR code below.

