

STEM & ROBOTICS

Program at Hubbard



ABOUT THE PROGRAM

Talent Search has partnered with Sphero and Hubbard high school science department to provide a full 8 week STEM and Robotics program for over 275 high school students. Students will become familiar with Sphero Bolt robots as they learn about the following through interactive activities provided by the FREE sphero downloadable app: .

- Simple draw programming and drive commands
- Making your own block-based or JavaScript code
- Exploring circular motion by using Sphero Bolts data to determine the centripetal velocity, centripetal acceleration, and centripetal force of your robot.
- Exploring Circular Motion by coding the Sphero Bolt robot to travel through a series of parallel circuit
- Exploring holographic projections by defining and creating a holographic projection and creating a block program to make the Sphero Bolt robot do a dance
- Being able to utilize BOLT's sensors and coding capabilities to create art that represents a social injustice
- Being able to define and use CS fundamentals, including: Recursion and base case and Writing pseudocode

All materials will be distributed the week of 3/21/21 at Hubbard high school

Student and parent have to sign and agree to return the Sphero Bolt robots in its entirety by Friday 6/4/21 or they will be responsible to replace the robot and all materials that was in the box which totals \$150.



VIRTUAL SESSION VIA GOOGLE MEET

Students will meet on the following dates during their scheduled class time:

April 6, 14, 21 & 28, 2021

May 4, 11, 18 & 25, 2021



REGISTER NOW!

To register please complete all forms and email to your Talent Search representative at your school.

To participate, all students must be in the Talent Search Program, and if not, students can complete a Talent Search program application.

Participating High School

Hubbard High School



FOR MORE INFORMATION, PLEASE CONTACT:

Tiffany Jackson

Director of TRIO Talent Search

