



## SUMMER CAMP 2018

Location: Sycamore Elementary  
Questions? Email us at [chsvexcamps@gmail.com](mailto:chsvexcamps@gmail.com) or  
[DragonRobotics.org](http://DragonRobotics.org) to register.

### Engineered to Win

For rising 6<sup>th</sup> through 10<sup>th</sup> graders

Discover real-world resources for mechanical design ideas. Understand the benefits and drawbacks of different engineering design options for typical VEX, FTC, or FRC game tasks (design options presented for drive train, grasping, extending, climbing, and shooting). Learn to make strategic engineering design choices based on each year's game. Location: Sycamore Elementary

Session 1 - \$225  
June 11 – 15, 8am – 11am

Session 2 - \$225  
July 9 – 13, 8am – 11am

Registration Deadlines  
Session 1 – June 8  
Session 2 – July 3

### Intro to CyberSecurity

For rising 7<sup>th</sup> through 12<sup>th</sup> graders

Could a highly paid career in CyberSecurity be the right STEM path for you? Learn about the growing field of “white hat” hackers, who secure networks and harden operating systems to protect companies and our government from cyber thieves. Gain an understanding of the ethical responsibility of this role, online safety and cyber threats. Compete against other campers in identifying vulnerabilities in images that represent operating systems. (Great preparation for CyberPatriot National Defense Competition team that meets during the school year.) Location: Sycamore Elementary

Session 1 - \$225  
June 11 – 15, 1pm – 4pm

Registration Deadline  
Session 1 – June 8

### Intro to Java

For rising 7<sup>th</sup> through 10<sup>th</sup> graders

Learn basic Java syntax and object-oriented programming for robotics (VEX, FTC, or FRC.) Understand and use annotation to make troubleshooting and code-sharing easier – a must for team coding. (Understanding of basic coding logic required.) Location: Sycamore Elementary

Session 2 - \$225  
July 9 – 13, 1pm – 4pm

Registration Deadline  
Session 2 – July 3