

Classes can be scheduled ON DEMAND - Flexible Scheduling!

Circle the classes you are interested and we will find a time that works for your schedule!

Not sure what is right for you - read the descriptions on the next page.

Still not sure what's right for you - just ask the experts!

*Let us help you **excite your inner curiosity.***

General Classes

- | | |
|---|--|
| ★ Quarkblock I - Build - \$30 | ★ Code - Brain Food - \$30 |
| ★ Quarkblock II - Program - \$30 | ★ RobotC - Autonomous Action - \$30 |
| ★ 3D Drawing/CAD - \$30 | ★ RobotC - Beginner Sumo - \$30 |
| ★ 3D Printing - \$40 (<i>Material Fees included</i>) | |

Special Classes

- | | |
|--------------------------------------|---------------------------------------|
| ★ VEX IQ Game Analysis - \$30 | ★ VEX VRC Game Analysis - \$30 |
|--------------------------------------|---------------------------------------|

Other Amazing Lessons

All of our classes are available with a flexible schedule and are suitable for all ages!

We can also set up a personalized class/tutoring session based on the Science, Technology, Engineering, or Math (STEM) skills you want to learn.

- | | |
|--|--|
| <ul style="list-style-type: none"> ★ Beginner Robotics ★ RobotC Programming ★ Mentoring a Successful Robotics Team ★ VEX IQ Programming for Mentors ★ Robotic Sensors ★ Code - Brain Food ★ What the Heck is Wordpress? ★ Website Basics | <ul style="list-style-type: none"> ★ 3D Drawing ★ 3D Printing ★ Lego Mindstorms EV3 ★ Arduino ★ Soldering ★ Raspberry PI ★ RobotC |
|--|--|

- Quarkblock I - Build
 - A great introduction to the world of VEX IQ. Students will spend an hour building the VEX IQ SpeedBot and finish their time by testing their driving skills against multiple challenges and possible opponents.
- Quarkblock II - Program
 - Using a VEX IQ SpeedBot, this class will serve as an introduction to programming for robotics. Students will test their skills by teaching the robot to complete some simple challenges and play a fun game of robot freeze tag.
- Code Brain Food
 - To become fluent in programming you need to learn to think like a machine. Learn to communicate in code to solve a problem. This class is a great foundation for all programming languages and will serve as the foundation to build solid algorithms. Seriously, you need this class.
- RobotC - Autonomous Action
 - Dive deeper into code and program a robot to complete more complex tasks with RobotC. This is a great class to take after Quarkblock II.
- RobotC - Beginner Sumo
 - Robot Sumo is a game that is played across the world. Learn the challenges and excitement as you test your skills as a driver and autonomously. But be careful, you may get pushed over the edge... It is recommended that students take other programming classes first.
- 3D Drawing and CAD
 - Learn the basics to Computer Aided Design and Drafting. In this class, students can learn about the most simple CAD software to the most robust and industry utilized software available.
 - Instruction is individualized based on prior experience and age.
- 3D Printing
 - After learning how to create your own CAD designs, learn to make them a reality through 3D printing! Students need to have completed a 3D Drawing and CAD class prior to this course or have a 3D image available that they would like to print.
- VEX IQ and VEX VRC Game Analysis
 - There is much more to competitive robotics than building a great machine. Learn the finer points of the challenge by thinking like a game designer. Students will learn to prioritize their game strategy to maximize the impact of their robot's abilities and design.

For other amazing lessons, just ask!

*Science, Technology, Engineering and Math are the tools that lead to a world of **Inquiry Based Projects.***

*Let us help you **excite your inner curiosity.***