

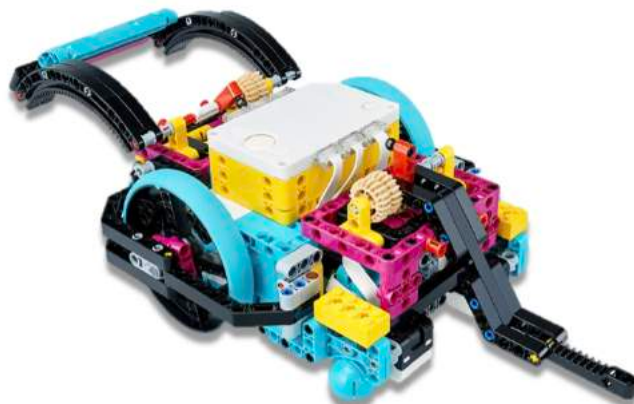
VIRTUAL ROBOTICS ACADEMY

Summer registration is now open!

This online Schoology course is a great way for robotics rookies, veterans and coaches to prepare for *FIRST*® LEGO® League's next season or just to master skills in your own home to amaze your friends!

Check out the Autonomous Car Challenge info on page 2!

Each registration is eligible for a drawing for
the latest LEGO® robot set
SPIKE™ Prime + Expansion set!



Get \$10 off with early registration. For more information go to:

<https://stemwerx.org/events/virtual-robotics-academy>



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Virtual Robotics Academy

Virtual Robotics Academy offers foundational learning for beginning students and in-depth planning & strategy tools for experienced EV3 robotics learners. After finishing this 20+ hour course, you will be prepared to start the next *FIRST*[®] LEGO[®] League season. However, you will not need to be registered on a robotics team to get a lot out of this course.

What you will learn:

- **Skills training:** Robot building and programming and additional resources for practice, differentiated for beginning and experienced students.
- **Engineering Design Process:** Explore, Imagine, Create, Test, Improve and Share: A simple rapid prototyping process to accomplish consistent results
- **Mission Solution Tools:** Game Strategy Calculator, Pseudo Code Generator, Test and Revision Process
- **Autonomous Car Challenge!** Active Lane Assist Scrimmage, Autonomous Parking Competition, and more!

What you will need:

- An EV3 robot, the LEGO[®] Education Kit is preferred
- A PC, Mac, Chrome notebook or iPad for running the software

Assignments and Quizzes

- **Assignments, Quizzes, Badges:** Graded to gauge your learning!
- **Kahoot:** Live online competitions based on material from this course
- **Virtual Robotics Kickoff!** Quick start on the City Shaper season – August online challenge. Coaches can use the results from this quiz for team selection!

Prize Drawing

- Parents or coaches must register students. Each registration is an entry into the August drawing for LEGO's newest robot kit, the LEGO[®] Education SPIKE™ Prime!

Adult Guidance

- Students younger than 13 should be guided by an adult.
- Parent/Coach access to view student progress.

Registration

- Eventbrite registration link here: <https://stemwerx.org/events/virtual-robotics-academy/>
- Ask about group discounts for registered *FIRST*[®] LEGO[®] League teams.
- Send registration questions to stemwerx@gmail.com.