



Sponsored by VRES PTA
**Virginia Run
Computer & Coding Club**
stemexcel.org/virginiarun



Class size: 14-20 students. This course is sponsored by the Virginia Run PTA. No refunds or exchanges offered. Emergency contact info must be filled out during registration for each student who attends this course. If you have any questions, please contact PTA coordinator, Renee Macri, renee_macri@yahoo.com

SPRING 2018 | Electronics with Minecraft Redstone:

TUESDAYS, 4:05pm-5:05pm • April 3-May 22, 2018 •

Tuition: \$160 • 8 meetings, 1 hour per meeting • Grades 1st-4th • CLASSROOM TBD

STEM exCEL's Electronics with Minecraft Redstone allows students to explore electronics in a virtual world with essentially infinite resources. Using Minecraft's Redstone blocks, which act as wires on a breadboard, students can build constructs representing electrical circuits and simple computer projects that are built in the real world. This course is a great precursor to understand real circuitry, electronics and electrical theory.

SPRING 2018 | Robotics:

THURSDAYS, 4:05pm-5:05pm • April 5-May 24, 2018 •

Tuition: \$160 • 8 meetings, 1 hour per meeting • Grades 2nd-6th • CLASSROOM TBD

STEM exCEL Robotics is designed for students looking to get started with robotics, and who are possibly interested in learning competitive robotics. In this course, students learn how to design, build, and program Lego Mindstorms EV3 robots by constructing and programming a robot. By applying engineering concepts as well as advanced sensor programming skills, students will perfect their design and programming to solve a variety of challenges.

ART

SPRING 2018 | Digital Art:

FRIDAYS, 4:05pm-5:05pm • April 6-May 25, 2018 • No class April 13

Tuition: \$115 • 7 meetings, 1 hour per meeting • Grades 3rd-6th • CLASSROOM TBD

In Digital Art, students will learn to create art using technology. In class, they will use two free digital art programs to learn how to create 2D raster and vector art in different art styles. Students will develop technological dexterity and engage their artistic creativity, so they will have a stronger hand and a honed aesthetic of their own by the

end of the class.

Registration is Open!

Please go to stemexcel.org/virginiarun to register.