



LORTON STATION

Computer & Coding Club

www.stemexcel.org/lortonstation

Class size: 14-20 students. This course is sponsored by the Lorton Station PTO (SHP). No refunds/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 La Toya Jackson-Johnson, SHP 1st Vice President, shp1vp@gmail.com

SPRING 2020 | Robotics:



TUESDAYS, 4:15pm-5:15pm • April 14-June 2, 2020 • Tuition: \$115 • 8 meetings, 1 hour per meeting • Grades 1st-6th • CLASSROOM TBA

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. These engineering, design and programming concepts serve as a great stepping stone for students that have an interest in competing in robotics competitions such as First Lego League (FLL).

SPRING 2020 | 3D Game Design:



THURSDAYS, 4:15pm-5:15pm • April 16-June 4, 2020 • Tuition: \$115 • 8 meetings, 1 hour per meeting • Grades 3rd-6th • Classroom TBA

3D Game Design enforces important game design concepts via practical application with the professional game engine responsible for popular modern games like Pokemon Go, Deus Ex and the Angry Birds franchise. Students learn to design and build their own game, while simultaneously learning programming logic, level design, art and animation. The final product is their own game that can be played on any computer, along with all project packages so they may continue creating at home.

SPRING 2020 | STEM exCEL Chess:



FRIDAYS, 4:15pm-5:15pm • April 17-June 5, 2020 • Tuition: \$81 • 8 meetings, 1 hour per meeting • Grades 2nd-6th • Classroom TBA

Students of any level will enjoy the challenge of chess at the STEM exCEL Chess Club! Students will learn the rules and tactics of chess, and will then get to test out their strategies by playing against students of similar experience. Our instructors offer individualized support and training, so each student, whether beginners or advanced players, will receive the personal skill development they need to enhance their abilities.

Registration is Open!

Please go to stemexcel.org/lortonstation to register.

About the Computer & Coding Club program: The program aims to align STEM education through beginner to advanced computer science and coding opportunities to build a community Computer & Coding Club. In subsequent enrichment sessions this year and going forward, Game Design, Website Design, Java, Python, Electronics, Robotics, Raspberry Pi, 3D Printing and Minecraft Modding opportunities may be offered per PTA feedback.

Contact us: 571-349-0048 • info@stemexcel.org • Visit us: www.stemexcel.org • This Information is neither sponsored nor endorsed by the Fairfax County School Board, the Superintendent, or this school.