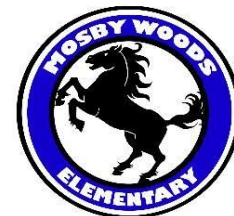


Mosby Woods Computer & Coding Club

www.mosbywoodspta.org



Class size: 14-20 students. This course is sponsored by the Mosby Woods 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 afterschool coordinator: Barbara Hamill, 2manybierhanzls@gmail.com

WINTER 2019 | Electronics with Minecraft Redstone:



FRIDAYS, 3:35pm-4:35pm ▪ March 1-May 3, 2019, 2019 ▪ No Class Apr 5, Apr 19

Tuition: \$154 ▪ 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. This course allows students to gain an understanding of how computers are processing commands as they move on to other computer science studies, and take home their Redstone creations at the ends of the course.

WINTER 2019 | 3D Printing:



FRIDAYS, 3:35pm-4:35pm ▪ March 1-May 3, 2019, 2019 ▪ No Class Apr 5, Apr 19

Tuition: \$192.50 ▪ 8 meetings, 1 hour per meeting ▪ Grades 3rd-6th ▪ CLASSROOM TBD

3D Printing is a premier class that not only teaches students how to create 3D models from an artistic standpoint, but also teaches them from an engineering standpoint. Because the models will be printed, our instructors teach students what to consider in the construction of the model to produce the best-quality print.

Students will observe a 3D Printer during each lesson to learn proper 3D printing standards and processes, all while creating their own models that will be printed for them. The course ends with students taking home their own accounts so they may continue modeling at home, along with at least 4 model prints they designed themselves during their time with us.

Registration is Open!

Please go to www.mosbywoodspta.org 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 Mosby Woods community Computer & Coding Club. In subsequent after-school 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.