



# Island Creek Computer & Coding Club

[www.stemexcel.org/islandcreek](http://www.stemexcel.org/islandcreek)



Class size: 14-20 students. This course is sponsored by the Island Creek PTA. No refunds or exchanges offered. Emergency contact info must be filled out. If you have any questions, please contact Richard Aviles, [islandcreekptapresident@gmail.com](mailto:islandcreekptapresident@gmail.com)

## SPRING 2020 | Kinder-Tech:

**MONDAYS, 3:30pm-4:30pm • April 20- June 1, 2020 (no class on May 25), 6 WEEKS**

**Tuition: \$105 • 6 meetings, 1 hour per meeting • Kindergartners • Classroom TBD**

Kinder-Tech is the perfect course for Kindergartners to learn about technology in a fun way, tailored to their specific age group! Students will be introduced to the full gamut of STEM courses: programming, game design, Minecraft, laptop and mouse literacy and more! Students will develop a working foundation and comfort level for the technology, while improving their dexterity with the hardware, which will greatly advance their understanding and interest for future STEM exCEL classes.



## SPRING 2020 | Minecraft Modding:

**MONDAYS, 3:30pm-4:30pm • April 20- June 1, 2020 (no class on May 25), 6 WEEKS**

**Tuition: \$105 • 6 meetings, 1 hour per meeting • Grade: 1st-6th • Classroom TBD**

Minecraft Modding teaches students important problem-solving and design skills by making changes to the popular multiplayer game itself. Programming fundamentals are reinforced by designing and implementing large-scale Minecraft modifications. Our instructors offer individualized attention and mentorship throughout our course, so students will learn at their pace following their personal learning style and interests. Students end their time with us with their mods, which they may add to their personal Minecraft games.



## SPRING 2020 | 3D Game Design:

**WEDNESDAYS, 3:30pm-4:30pm • April 15 - May 27, 2020, 7 WEEKS • Tuition: \$115**

**7 meetings, 1 hour per meeting • Grade: 3rd-6th • Classroom TBD**

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.



**Registration is Open!** Please go to [www.stemexcel.org/islandcreek](http://www.stemexcel.org/islandcreek) 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 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](mailto:info@stemexcel.org) • Visit us: [www.stemexcel.org](http://www.stemexcel.org) • This Information is neither sponsored nor endorsed by the Fairfax County School Board, the Superintendent, or this school.**