

BOTS Robotics Education Center **Feb-March Afterschool Classes**

BadgerBOTS Afterschool classes are for students currently in **3rd-7th grade**.

The cost is \$125 per student.

Classes will be **one day a week for 2 hours from 4:30-6:30 PM** over 6 weeks.

February- March Classes: Registration Deadline is February 5th.



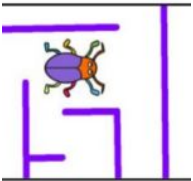
LEGO Robotics: Mondays 4:30 – 6:30 PM, February 12 – March 19

Build and program **LEGO Mindstorms EV3 robots** using the LEGO Mindstorms programming software. Weekly class challenges will test students to make observations, improve their designs, and practice the engineering design process.



3D Printing Lab: Tuesdays 4:30 – 6:30 PM, February 13 – March 20

Learn how to use a computer to design and modify 2D and 3D designs and artwork with **Tinkercad**, a beginner CAD (computer-aided design) program. Over the six weeks, students will work on various design challenges focusing on developing their skills, as well as their own projects to be 3D printed on our 3D printers.



Scratch Game Design: Wednesdays 4:30 – 6:30 PM, February 14 – March 21

Computer programming concepts and techniques will be taught as students create projects using **Scratch** around the theme of Game Design. Small group classes will accommodate students with any level of experience with Scratch.



Code Combat: Thursdays 4:30 – 6:30 PM, February 15 – March 22

In **Code Combat**, students will learn Python. Each student will pick a “hero” and will need to use Python to help find treasure, fight bad-guys, and protect the villagers! It is all the fun and problem solving of a RPG but with the expectations of real code. There will be a lot of typing in this class, so students should be comfortable with the keyboard.



Intermediate Scratch: Fridays 4:30 – 6:30 PM, February 16 – March 23

This class is for students with some familiarity with **Scratch** who are looking to create more advanced projects. In Intermediate Scratch, we will focus on Animation techniques while learning about more advanced parts of Scratch, including using variables and custom block functions.

BadgerBOTS Education Center - 7615 Discovery Drive - Middleton

For More Information Visit www.badgerbots.org

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