

Edison Lab

grades 4-6

Tutor: Ann Parmeter-Cripps (Mrs. Cripps)

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Tuition and Fees

Tuition for Edison Lab is **\$380**. This covers classroom rental, project supplies, and other necessary expenses. Additionally, there is a **\$45 charge for the Edison Robot, which is due upon registration**. Parents do not need to purchase the robot separately, as it will be ordered for you. If purchasing the robot presents a financial challenge for your family, your child is still welcome to participate in the class—please reach out for accommodations.

Refund Policy: If the class is dropped within the first four weeks, you will receive a 50% refund. After week four, no refunds are available.

Course Description

Edison Lab is designed for upper elementary and middle school students in grades 4-6 who have a passion for hands-on learning. In this engaging course, students will explore both robotics and coding in an interactive environment. They will have the opportunity to see the results of their coding efforts immediately through the Edison Robot, making the learning process dynamic and exciting.

Six units of study will include:

- Introduction to the programming language, EdScratch
- Programming the robot to move and produce music
- Programming loops and interrupting the main program
- Exploring “if” statements, pseudocode, algorithms, and messaging between robots
- Exploring variables
- Open-ended application of the Engineering Design Process to create with Edison

If your elementary/middle school student loves to learn by “doing”, he/she will enjoy and benefit from this class! **Your student will need to bring a laptop, chromebook, or tablet to program Edison.**

About the tutor: I am a homeschool mom and wife to Jim for over 30 years. We are currently finishing up our homeschool journey with our youngest daughter. We have three daughters and one son who graduated in 2017, 2019, 2024, and 2026. I have taught at various homeschool co-ops for many years. I hold a Bachelor of Science and a Master’s Degree in Education from Western Michigan University. After teaching in both public and Christian schools in the Kalamazoo area, I have been blessed to spend the past 20+ years at home with my family. It is truly a privilege to come alongside other homeschool families as we strive to educate our children to the best of our abilities.