



Robotics Lab

Unlocking the Code

Grades 7-9

Instructor: Ann Parmeter-Cripps (Mrs. Cripps)

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Tuition: \$400 (\$200 due on the 1st class of 1st semester, \$200 due on the 1st class of 2nd semester.)

Robot & EdCreate Kit: I will order these for your student.

Option #1: \$115 due upon registration (Includes two Edison Robots and the EdCreate kit.)

Option #2: \$70 due upon registration (This option is for students who previously participated in my class and already own one Edison Robot-includes one Edison Robot and the EdCreate kit.)

*Your student will need to bring a device (laptop, chromebook, or tablet) to class each week for coding, if possible. I have limited devices available for loan to students.

50 % refund if class is dropped within the 1st 4 weeks. No refund after week 4.

Course Description: Robotics Lab will provide an opportunity for students to learn how to code the Edison Robot using the EdPy coding language. Robots are all around us in daily life as well as in many workplaces. The goal of this class is to give students a basic understanding of coding and robotics to prepare them for further study.

Why Robotics? Students see their code come to life in Edison. Find out all the benefits of working with robots here: <https://meetedison.com/robots/> .

Topics of study will include but not be limited to Python coding, computational thinking, loops, if/else statements, creating and defining new functions, EdCreate building challenges, and open-ended Edison Lego building challenges. Explore Lego compatible Edison at <https://meetedison.com/edcreate/> .

About the tutor: I am a mother of four and wife to Jim for over 30 years. We have homeschooled our children for the past 22 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 spent the past 25+ years at home with my family. I have taught at various homeschool co-ops for many years. I love working with students and consider it a privilege to come alongside other homeschool families as we strive to educate our children to the best of our abilities.