



# Robotics Lab

## Unlocking the Code

Grades 7-9

Tutor: Ann Parmeter-Cripps (Mrs. Cripps)

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**Tuition:** \$380 (Cost includes classroom rent, handouts, project supplies, etc.)

**Robot & Extension Kit:** \$65 Due upon registration Edison robot (\$40) and EdCreate kit (\$25)

(Parents- I order these for your student.)

Explore Lego compatible Edison at [Meetedison.com](http://Meetedison.com)

\*It is highly recommended that students bring a device to class each week for coding, if at all possible. We will need at least half of the students to bring in a laptop or chromebook that will be shared in a paired programming collaboration.

50% refund if class is dropped within the 1<sup>st</sup> 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 Python coding language. Students will apply the Engineering Design Process to design challenges. 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, EdCreate building challenges, and free Edison Lego building challenges.

**About the tutor:** I am a homeschool mom, married to Jim, and currently educating our son and youngest daughter. We also have two daughters who graduated in 2017 and 2019. This will be my second year teaching at KAT. 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 20 years at home with my family. It is a privilege to come alongside other homeschool families as we strive to educate our children to the best of our ability.