

STEM Lab

Tutor: Ann Parmeter-Cripps (Mrs. Cripps)
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Tuition: \$380 (Cost includes classroom rent, handouts, project supplies, etc.)

Textbook set: *Applied Engineering: Studies of God's Design in Nature Set, 4 volumes*
\$50 (Parents-you order this on Christianbook.com or from another distributor.)

Edison robot: \$45 Due upon registration (Parents-I order these for you. If your family cannot afford to purchase the robot, your student can still take this class. Just let me know.)

50% refund if class is dropped within the 1st 4 weeks.

No refund after week 4.

Course Description: STEM Lab students investigate **science, technology, engineering, and mathematics** in a hands-on manner.

Students will use the **Engineering Design Process** to:

- Find solutions to problems by thinking, designing, and building creatively.
- Make connections between stem disciplines.
- Take risks, be willing to fail and try again.
- Embrace learning even when it is hard.

This course will be taught for all learners, providing kinesthetic, visual, and auditory learning opportunities.

Topics of study will include but not be limited to **Engineering Design Process, Physics, Simple machines, Robotics, and Coding**.

**If your middle school (grades 6-8) student loves to learn by “doing”,
he/she will enjoy and benefit from this class!**

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 also have two daughters and one son who graduated in 2017, 2019, and 2024. 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.