

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 \$45.47* (Parents-you order this on **Christianbook.com** or from another distributor.)
Edison robot: \$40 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 **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, 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.