





Consumers Energy STEM Lab
388 W Clay Ave
Muskegon, MI 49440

Programs are available on select weeknight evenings
For questions or to schedule a program with your troop,
contact Jessica Sisco at **(231) 777-0629**
or Jessica.sisco@muskegoncc.edu



Program	Cost	Attendees	Other
<p>Please Join us at the Consumers Energy STEM Lab for exciting hands-on STEM activities! Come learn about STEM in a fun and engaging way. Learn how to apply the engineering design process while building and programming robots, completing engineering challenges, exploring electricity, and so much more STEM fun!</p> <p>Remarkable Robotics </p> <p>Robots are everywhere we go! Explore robotics and how it's used in the world around us. Learn to program real robots in our STEM lab. Use block coding to work through exciting challenges with Sphero Spark+ robots. Younger learners will meet KUBO our cute robot who teaches the basics of coding using an all-hands-on approach. Troops can complete steps towards their robotics badge.</p> <p>Engineering Challenge! Crash Test Car </p> <p>Automotive engineers always test their ideas for safety. Design and test a model car that will keep your passenger (a plastic egg) safe during a collision. This fun program gets learners testing and rethinking their design to achieve the desired outcome! Troops can complete steps towards their Mechanical Engineering Badge and Automotive badge.</p> <p>Exploring Magnetism </p> <p>Magnetic forces exist all around us! Explore the phenomenon of magnetism and create your own electromagnet. Experiment with what strengthens and weakens a magnet and how electrical currents play a role.</p> <p>Engineering Challenge! Marble Roller Coaster </p> <p>Learn about energy and motion while designing a roller coaster! Lots of experimenting goes into creating a roller coaster that keeps the marble on the track and travels the longest. This fun program allows students to problem solve and collaborate their ideas.</p>	<p>\$8/ Girl Scout \$0/ Adult</p> <p>\$8/ Girl Scout \$0/ Adult</p> <p>\$8/ Girl Scout \$0/ Adult</p> <p>\$7/ Girl Scout \$0/ Adult</p>	<p>6 girls minimum 16 girls maximum</p>	<p>Each program runs between 1.5– 2 hours. These workshops are not all inclusive to badge earning; additional badge steps may be completed after your visit. Purchasing badges is the responsibility of troop leader.</p> <p>Work towards :</p> <ul style="list-style-type: none"> Daisy: What Robots Do badge Br– Ambassador: Programming Robots badge <p>Price includes supplies and taking home your model car.</p> <p>Work towards:</p> <ul style="list-style-type: none"> Daisies: Model Car Design Challenge badge Brownies: Race Car Design Challenge badge <p>Girl Scouts get to take home their own electromagnet.</p> <p>Fulfills all requirements for the Daisy Roller Coaster Design Challenge Badge.</p>