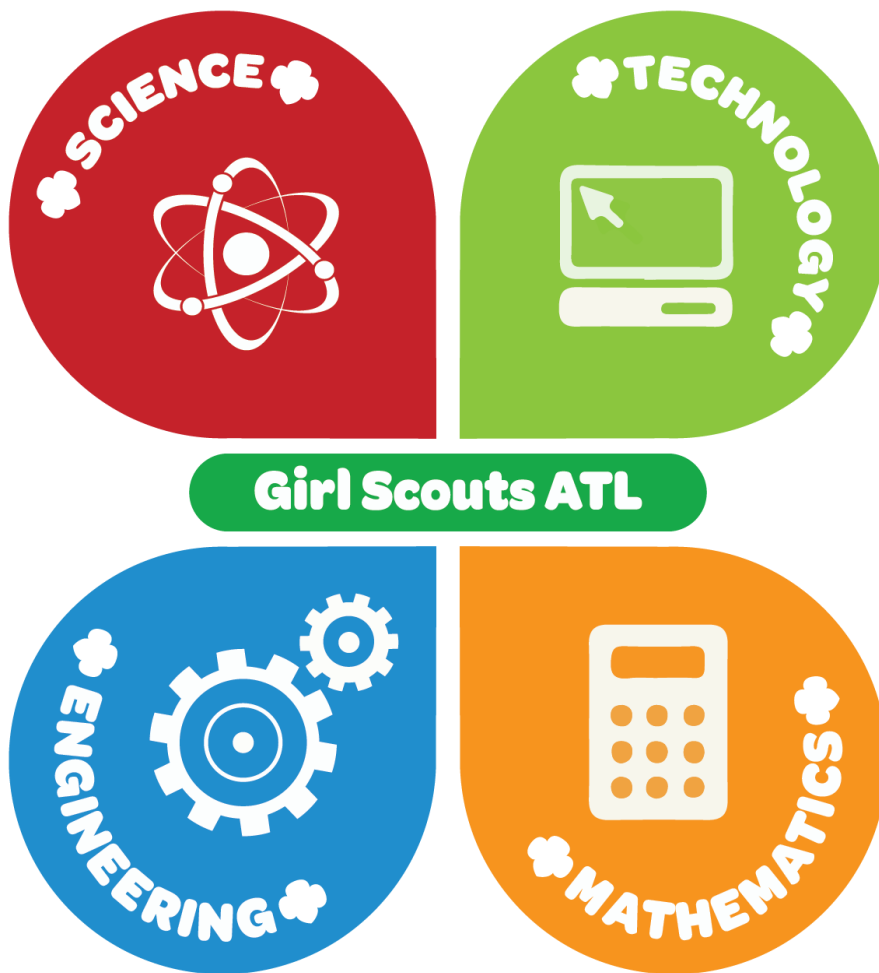


GSGATL STEM Patch Requirements

(All ages)

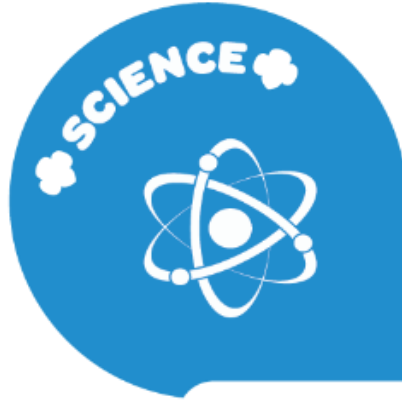


Who: Girls of all ages- from Daisy to Ambassador! There are many activities to choose from for each letter. Pick an activity that excites and challenges you!

What: Four patches to symbolize each of the four areas of STEM: Science, Technology, Engineering, & Math

When: You can earn these patches with your troop, individually, or a combination of both. Some of the categories include scheduled events, so make sure to plan ahead!

How: See patch requirements at stem.girlscoutsatl.org . After you complete an activity in all four areas, you can purchase your STEM patch set in the Mabelton Badge & Sash.



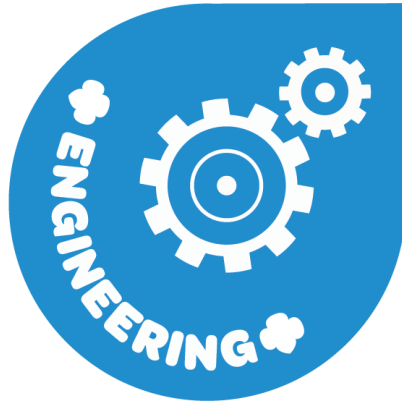
Complete one of the following:

- Attend a STEM event or choose one awesome science organization you would like to visit and reach out to them to schedule a troop tour!
 - Look for our partners: Zoo Atlanta, Blue Heron Nature Preserve, Tennessee Aquarium, Sparkles STEM, Center for Puppetry Arts, Andretti, & Tellus Science Museum!
 - More information always available on the Girl Scout Calendar.
- Plan a science activity and deliver it to a younger troop! Maybe you can even help them earn a badge!
- Complete the LEED Tour at Girl Scouts of Greater Atlanta's council location. LEED maps available at the front desk during business hours. Email ahughes@gsgatl.org with any questions. (you can also earn the LEED patch!)
- Take a hike and create some nature art. Arrange leaves in color or branches in a design!



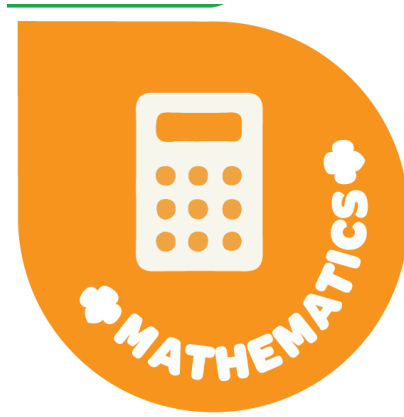
Complete one of the following:

- Download three STEM apps and share them with your friends or family!
- During your visit to one of our STEM partners, learn how they utilize technology every day! Perhaps it's through data collecting, photography editing or marketing/advertising? Maybe they have to understand the way light works to show during a puppet show or they need to analyze animal behavior over time?
- Take a coding class! Maybe there is one happening in your school or local community? Perhaps you could even find them online?
- Research Science organizations near you. Generate a list of 5 with summaries and then have friends and family look at your research to pick one where to go. If you take a trip there, you could satisfy your Science piece of the STEM Patch, too !
- Create a video to demonstrating a fun STEM activity you know how to do. Share it with others!
 - Some ideas: a tutorial on how to draw, explaining the science behind fashion, what to take hiking, how to build a fire, how to measure ingredients for recipe, etc.



Complete one of the following:

- Complete at least two sections of the Girl Scout Engineering Badge! You can find this at stem.girlscoutsatl.org
- Visit an organization that utilizes engineering. Schedule a tour and talk with professionals.
- Search your recycling bin! Build something useful from items that you find in there! Explain your invention to others, making sure to go into detail on how it works.
- Build a fort! Now make some changes and evaluate! Can you make it taller? Add more rooms?



Complete one of the following:

- Find a recipe, alter the serving size, and get baking! You can double it or cut it in half depending on who you are serving!
- Gather up your troop or family/friends. Have a jumping contest and measure how far everyone can jump. Now, choose 1st, 2nd, and third winners. If you are Senior or Cadette, figure out the differences between all the jumpers.
- Create a list of board games that incorporate math & play three of them. You are the scorekeeper!
- Interview three professionals (they don't have to be STEM professionals) and ask them questions about how they use math every day in their job or real life!
- Explore geometry in art! Look at different shapes and patterns and find out how they are used in the workforce.