

gs

MASTER MAKER BADGE *Requirements*



courageconfidencecharacter



DEAR VOLUNTEER,

It's so exciting that you and your troop want to learn more about being a maker and about the Children's Museum Tucson! This booklet will walk you through the process. Steps 1 and 2 are things you and your girls can and should work on before your visit to CMT.

- ☐ Be sure to 'check' any bias or apprehensions you might have about doing STEM projects. Girls can pick up on these things very easily! The great staff at CMT will help you every step of the way.
- ☐ Assign someone to take pictures of your groups as they work on projects at CMT
- ☐ Work with the girls in your troop to write a blog post about their experience
- ☐ Share with CMT and GSSoAZ social media pages
- ☐ This Badge program costs just \$75 flat fee for your entire troop and covers all day admission for all members of the troop AND 90 minute Makers Badge session with CMT staff. Please call CMT to make your reservation.
- ☐ Self Guided Girl Scout Tours are also available but do not include admission or program session with staff.





STEPS TO COMPLETE:

1 Discover what it is to be a 'maker'

- ☐ Watch these or other videos about who create something out of nothing.

<http://coolmaterial.com/roundup/rube-goldberg-machines/>

<https://amysmartgirls.com/whats-your-pow-factor-isadora-jones/>

- AND -

- ☐ Research and present to your troop famous or not so famous 'makers'.

Here are a few to get you started:

Jane Poynter
Ariele Alasko
Hedy Lamarr



2 Discuss with adults what it takes to be a maker

All Age Levels

- ☐ *Imagination*
- ☐ *Courage* to try
- ☐ *Fail forward*—learn from mistakes





3 Make an appointment to visit the Children's Museum Tucson

where your group will be guided by educators to imagine, design and prototype an invention they dream up as a group.

□ *After being inspired by all the possibilities in their imagination session,* girls will imagine and design in small groups. Your CMT educator will ensure all girls contribute. At your visit your girls will explore CMT's Explore Kits to discover the power of STEM.

- AND -

□ *Girls next move to the design phase* using tools and materials available at CMT specifically designed to get them engaged in hands-on technology. The small groups will work to prototype and test their designs.

- AND -

□ *Girls will cheer each other on* as the small groups share a presentation with other small groups highlighting the steps of the process and using their critical thinking skills and evaluation to make their next invention even better.

Congratulations!

The Children's Museum Tucson is proud to support girls working to build their courage, confidence and character with STEM-learning opportunities in our Master Maker Badge and Patch programs. We encourage you to reach your full potential through discovery, creativity and learning!

Michael Luria, Executive Director

Debbie Rich, CEO Girl Scouts of Southern Arizona



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these other Learn Local badges:**



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