



GIRL SCOUTS AND GLOBE OBSERVER



TASSIA OWEN (GST INC. – NASA)



IN 2017, GIRL SCOUTS ADDED THE THINK LIKE A CITIZEN SCIENTIST JOURNEY IN COLLABORATION WITH SCISTARTER.

[HTTPS://BLOG.SCISTARTER.COM/2017/07/NEW-NATIONAL-THINK-LIKE-CITIZEN-SCIENTIST-GIRL-SCOUTS-JOURNEY/](https://blog.scistarter.com/2017/07/new-national-think-like-citizen-scientist-girl-scouts-journey/)

- NASA GLOBE Observer, by its nature, is perfect for Girl Scouts, which is girl lead.
- GLOBE Observer currently has 4 citizen science projects to choose:
 - Trees
 - Clouds
 - Land Cover
 - Mosquito Habitat Mapper



- The Journey was added as part of a larger STEM initiative within Girl Scouts (23 badges were added, from coding to astronomy).
- Journeys are more complicated and intensive than typical badges. They also have a “TAKE ACTION” component.
- Journeys typically take place over 6 meetings, but we set out to create a program where girls could earn it in one day.

THE PATCHES



WHAT'S IN A JOURNEY?

- Journey's take place in 6 meetings that have specific tasks and content associated with them.

Meeting 1	How to Observe like a Scientist
Meeting 2	Learn to analyze data like a scientist
Meeting 3	Collect data for scientists

Meeting 4	Design Take Action projects
Meeting 5	Complete Take Action projects
Meeting 6	Celebrate!

OBSERVE

Girls used activities from the toolkits to complete meeting one requirements: Observation Skills.



Toolkits:

Clouds - <https://observer.globe.gov/toolkit/clouds-toolkit/activities>

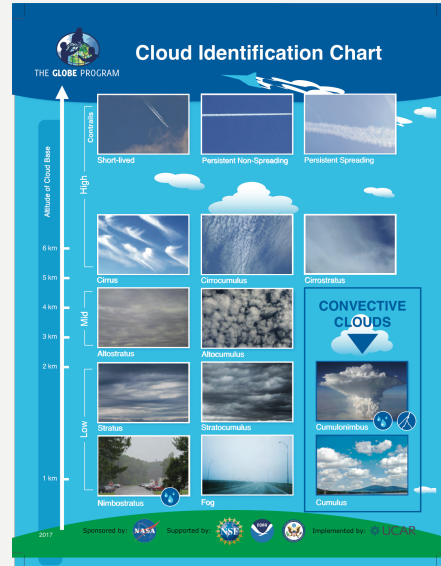
LandCover: <https://observer.globe.gov/toolkit/land-cover-toolkit/activities>

Mosquitos - <https://observer.globe.gov/toolkit/mosquito-habitat-mapper-toolkit/activities>

Trees - <https://observer.globe.gov/toolkit/trees-toolkit/activities>

COLLECT AND ANALYZE DATA

- Scavenger Hunt to analyze, then use the app to collect data!
- Combination of meetings two and three.



TAKE ACTION

- This is the last meeting in the journey.
- Local or virtual subject matter experts answer questions and get kids thinking about how they can take action.
- Lots of great questions!
- Most take-action projects were by setting up their mosquito traps they made and monitoring them.
- Other ideas were to continue to take observations, reach a personal goal of observations, form a citizen science team, or try other citizen science projects



GETTING STARTED

- Connect with Troop Leaders or your local council or service unit (<https://www.girlscouts.org/en/about-girl-scouts/join/council-finder.html>)
- Create or join a team <https://www.globe.gov/globe-community/globe-teams>
- Get leaders to follow these instructions:
 - Troop leaders log in to your girl scout troop leader account on your local council girl scout page.
 - Go to the Volunteer Toolkit and familiarize yourself with the journey. Everything you need to run your meetings along your journey is here. <https://my.girlscouts.org/content/girlscouts-vtk/en/vtk.home.html>
 - Register in Sci Starter <https://scistarter.com/girlscouts/volunteer/landing> (This is REALLY important)
 - Choose a GLOBE Observer citizen science project (Clouds, Trees, LandCover, Mosquito Habitat Mapper).
 - Send your scouts and/or your scout parents (if your troop is under 13) the unique URL that is generated for your troop. Once they get this link, they will need to register using this link. If they can't register, you can manually add scouts in SciStarter.
 - Create a GLOBE Observer account and have your scouts (or scout parents) create individual account as well.
 - Have them join your GLOBE team with the referral code that you generated.



THANK YOU!

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