

## Cadette–Ambassador Journey Guide

Outdoor STEM

### Think Like a Citizen Scientist

#### 1. The Purpose of Think Like a Citizen Scientist

**i** Citizen Science is a way for everyday people to participate in scientific research. Together people help scientists advance their research! Volunteers typically collect data, share observations, or analyze data to provide answers to questions about the world around them. Throughout *Think Like a Citizen Scientist* you will take on the role of a volunteer and complete your own citizen science project!

#### 2. Take Action Project

**i** To complete *Think Like a Citizen Scientist*, finish the Journey using Volunteer Tool-Kit (VTK) and earn the Think Like a Citizen Scientist and Take Action awards.

**NOTE**—What separates a community service project from a take action project? Here is a break down. Instead of just identifying a problem and fundraising or collecting for it, take a deep look into the root of the issue. Connect in with the community and ask questions. Work with friends or by yourself.

Let the scientific fun begin.

**Examples:**

- Measure rainfall to help a local weather station make more accurate forecasts.
- Track the migratory patterns of butterflies.
- Cross reference satellite pictures of clouds to reality and share your findings.

### 3. Citizen Scientist and Take Action Awards

**i** Throughout the Journey you will earn the Think Like a Citizen Scientist and Take Action award.

- **Think Like a Citizen Scientist:** Earn by connecting with local scientists to learn how they make discoveries in the natural world and how they share their findings.
- **Take Action:** Earned by leading and completing a take action project that will positively impact your community!

### 4. Field Trip Ideas

**i** It's time to discover and connect with the world around you. Based on your take action project you should prioritize visiting areas of your community that can help you expand your research.

**Examples:**

- Visit a butterfly museum.
- Go behind the scenes at a local weather station.

### 5. Think Like a Citizen Scientist Ending

**i** Once you have completed the Journey, the Think Like a Citizen Scientist, and a Take Action awards you have finished *Think Like a Citizen Scientist!* Take time to celebrate this accomplishment and discuss what you've learned with your fellow Girl Scouts.