



Welcome to Science Action Club!

Science Action Club (SAC) is a hands-on, fun, STEM learning experience created by the California Academy of Sciences in San Francisco, California. The Academy is an aquarium, planetarium, rainforest, and natural history museum in the heart of San Francisco's Golden Gate Park—and a powerful voice for biodiversity research and exploration, environmental education, and sustainability across the globe. SAC was designed by the Academy to provide hands-on STEM activities and nature challenges to middle school youth in out-of-school time. When you join SAC you join a global community of youth collecting data alongside professional scientists. Today you and a trusted adult will become Bird Scouts. Using the eBird app you will record your observations of birds to help scientists answer questions about the migratory patterns of birds.

What is citizen and community science?

Citizen and community science is a way for volunteers of all ages and professional scientists to work together to answer important questions about science and nature. By the end of this activity you will understand how to collect data for citizen and community scientist projects.

What is eBird?

Created by the Cornell Lab of Ornithology and National Audubon Society, eBird provides an easy way for the birding community to report bird sightings. Using the eBird website or mobile app, users easily create bird lists to share observations of species around the world.

The **Cornell** Lab of Ornithology



eBird



Why should I start bird-watching?

True or false: Bird behavior and migration patterns are easily predictable.

True and false! Scientists have gathered data and have a general understanding of migratory patterns of certain species of birds. However, those patterns can change over time. Your observations will help ornithologists (scientists who study birds) identify changes in bird behavior and in bird migration patterns. Now that you know who we are and what you'll do in Bird Scouts let's get started! Click on the PDF titled Bird Count.