

# Conservation Scientists

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# What is Citizen Science?

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- Public involvement in inquiry and discovery of new scientific knowledge
- Can involve one person or millions of people collaborating towards a common goal
- Common features:
  - Anyone can participate
  - All participants use the same protocol
  - Data can help REAL scientists come to REAL conclusions
  - Community of scientists and volunteers work together and share data which the public has access to

# Benefits of Citizen Science

- Sense of community and place
- Recognition of self importance
- Research isn't just for scientists
- Reaching different types of learners
- Development of critical thinking skills
- Use of multiple skill sets
- Application of the scientific method
- Meets state and national standards



# Wetland Band

- What are some reasons animals make noise?
- What are some reasons that frogs and toads make noise?



# Wetland Band

- Challenge: Create an instrument to mimic a Texas frog or toad call.
  - Use any of the material on the table
  - Use the iPads to search for Texas Frog and Toad calls



# FrogWatch USA

Help scientist identify  
calls of local frogs and  
toads

<https://www.aza.org/frogwatch>



# More Projects!

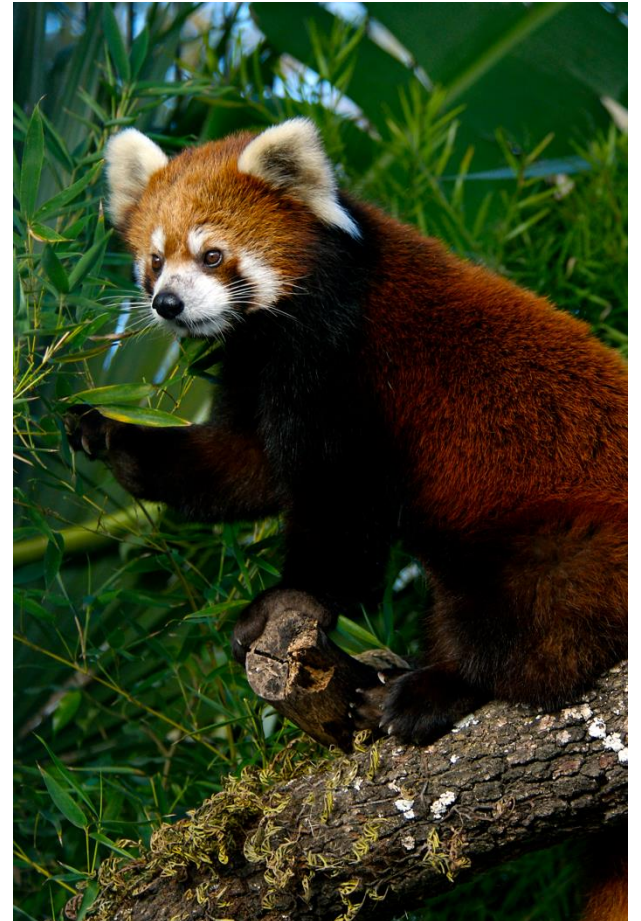
- Wildwatch Kenya - <https://www.zooniverse.org/projects/sandiegozooglobal/wildwatch-kenya>
- Snapshot Serengeti - <https://www.snapshotserengeti.org/>
- Lots more here, including Snapshot Safari - <https://www.zooniverse.org/>



# Integrating Citizen Science

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- Any grade or age level can participate in it
- Most projects are free
- Most programs have some form of online contribution system or an app
- Most activities can be done once or many times – completely up to you!
- Able to upload data to a larger database that is made available to contributors





# More Resources!

- SciGirls - <http://pbskids.org/scigirls/citizen-science>
- Citizen Science in Texas – <http://tx.audubon.org/citizen-science>
- SciStarter - <http://scistarter.com/>
- Citizen Science Projects – <http://nationalgeographic.org/idea/citizen-science-projects/>
- PBS Kids - <https://pbskids.org/scigirls/citizen-science>
- Google is your friend!



Thanks for joining  
me!



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