



Ted Alejandre, County Superintendent

San Bernardino County
Superintendent of Schools
Transforming lives through educ



Friday, June 5
2:00pm

SciGirls Stories, “The Awesome App Race”
4th – 8th grades.

This series showcases bright, curious real girls putting science and engineering to work as they answer questions and make unexpected discoveries in the world around them.

San Francisco SCIGIRLS shake things up, programming their own smartphone app to highlight the history and geoscience of the 1989 San Francisco Earthquake.

After watching this episode, choose from the following questions and/or tasks to extend your learning

Question Box 1

- What is the central idea? How is the central idea developed?
- Cite evidence from SciGirls to support your determination of the central idea.
- Provide an objective summary of the program.
- What did you learn about programming a smartphone app?
- List 3-5 details that you learned about the 1989 San Francisco earthquake.
- What is geoscience and how was it used in this episode?

Question Box 2

- What did/do you enjoy about this program?
- What is the one thing you particularly want people to notice when they watch this TV program?
- Now that it's over, what are my first thoughts about this overall project? Are they mostly positive or negative? If positive, what comes to mind specifically? If negative, what comes to mind specifically?
- How did the girls work together as a team to accomplish their task?
- Reflect on a time where you worked in a group either in person or virtually. How did it go?
- Do you prefer to work independently or collaboratively with others? Why?

Box 3 (Tasks)

- Describe the 1989 San Francisco earthquake and the impact to its citizens.
- How did the girls use the app to highlight the geoscience of the earthquake?
- Create a step-by-step guide that illustrates the steps the SciGirls followed to program their smartphone app.
- Write a description of the San Francisco earthquake. Include details that you learned in the episode.

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Box 4 (Enrichment)

- How do scientists currently predict earthquakes in California?
- Describe the process the girls used to program their app.
- Visit <https://www.sciencekids.co.nz/geology.html> to learn more about geology. Share your new learning with your family and friends.
- Do some additional research on the earthquake in the episode at https://kids.kiddle.co/1989_Loma_Prieta_Earthquake. Create a visual presentation that details the causes of the quake and the effects.
- Learn more about creating your own app at <https://www.codemom.ai/make-your-own-game-apps-for-kids/>. With parent permission, give it a try!

Box 5 (Extend/Real-Life)

- What apps do you currently use to help you in your life?
- Do you have an idea for an app that you would like to see created? What would it do? How would it make your life easier?