



Ted Alejandro, County Superintendent

San Bernardino County
Superintendent of Schools
Transforming lives through education



Wednesday, June 3
2:30pm

SciGirls Stories, "Bee Haven"
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.

What's the buzz in urban gardens? The SCIGIRLS use math, mapping and data visualization to help a colony of bees thrive in a downtown Phoenix neighborhood.

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

Question Box 1

- What is the central message in SciGirls? Explain?
- What did you learn after watching this program?
- What is the program's purpose? How do you know?
- List five details that you learned about bees from the episode.
- What are some of the challenges that are created when a bee colony is located in a neighborhood?
- How did the SciGirls plan for and respond to the challenges?

Question Box 2

- What do you believe could have been done differently to help you learn this topic easier?
- Where did you encounter struggles understanding the topic, and how did you deal with them?
- 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?
- Bees are a protected species due to their role in crop growth and development. Do you think this is necessary? Why or why not?

Box 3 (Tasks)

- Make a model of an urban garden.
- Make a model of a beehive and label the parts.
- Visit <https://www.mannlakeltd.com/mann-lake-blog/8-different-ways-kids-can-help-honey-bees/> to learn more about bees and how kids can protect them. Share your new

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learning with your family. Choose one thing that you can do to help the bee population.

Box 4 (Enrichment)

- Discuss with evidence the role bees play in the environment.
- How did the girls use science and math to help the bees thrive?
- Watch the YouTube video about bees at <https://www.youtube.com/watch?v=z9zZ48jJZyk>. With help from a family member, create your own public service announcement about how kids can help the bee population.

Box 5 (Extend/Real-Life)

- Research and discuss why bee populations worldwide are decreasing.
- Would you consider a career as a Beekeeper (Apiarist)?
- Review the career profile found at this link: <https://www.agcareers.com/career-profiles/apiary-worker-beekeeper.cfm>
- Watch this short video about beekeeping: <https://www.youtube.com/watch?v=FejwYVA4ICw>
- Write a summary of the career and whether or not you would consider this as a career.