

Grades: 4-5

SciGirls Stories, “Baile Digital – Digital Dance”

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.

The SciGirls in Queens, NY, unite to create a high-tech dance show. Marilyn, Nazaret, Sheira and Marielly code robotics and light-up dance costumes and perform for their families and community.

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

Question Box 1

- Provide at least two quotes of evidence that support SciGirls claims.
- Choose 2-3 unfamiliar words from the program and define them.
- What clues can you point to in the program to explain the SciGirls purpose?
- Describe the process that the girls followed to create their high-tech dance show. What steps did they follow?
- What part did the robotics play in the show?
- What did you learn about coding from this episode?

Question Box 2

- What is the one thing you particularly want people to notice when they watch this TV program?
- What were some of the most interesting parts to this program? Explain.
- What were some of my most powerful learning moments and what made them so? Explain.
- Why do you think it was important for the girls to perform for their families and community after creating their show?
- Have you ever created something and shared or performed it for others? How did you feel before, during, and after you shared or performed?

Box 3 (Tasks)

- Discuss how the girls used science to create a high-tech dance show.
- Discuss how the girls used engineering to create a high-tech dance show.

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- Create a “How to Design a High-Tech Dance Show” presentation. Invite a family member or friend to create a virtual version to share with others!

Box 4 (Enrichment)

- Describe the process that the girls used to make the light-up dance costumes.
- Describe the process the girls used to code the robotics section of the dance show.
- Visit <https://code.org/> to learn more about coding. Give it a try!

Box 5 (Extend/Real-Life)

- Research and discuss how modern programs use science and engineers to produce their programs.