

Grades: 4-5

Sci Girls “City Chicken”

The SciGirls hatch a plan! Alexa and her friends design and build a chicken coop for an urban farm in Denver, Colorado by recycling a donated structure into a new home where the birds can thrive.

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

Question Box 1

- What made the girls decide to build a chicken coop?
- What did they need to consider when building this coop for an urban farm in Denver?
- What recycled materials did they use to build this coop?
- What did you learn after watching this program?
- What is the program’s purpose? How do you know?
- Was the final product successful? Provide evidence from this episode to support your answer.

Question Box 2

- Would you have done something differently when building the chicken coop? What would you have done?
- Did the Sci -Girls work well together? What did they do that made the collaboration successful or not?
- What skills do you have that would make you an important part of a team?
- What was one section of this episode that stood out for you and why?
- What unanswered questions do you still have about this episode?
- What do you think you learned from this program?

Box 3 (Tasks)

- Describe the skills the girl’s needed when building the chicken coop. What does it take to create a structure for a particular purpose?
- Draw out your thoughts on what you think a chicken coop might look like in your own backyard. Draw a picture of the chicken coop from this episode and describe the parts that help the chickens thrive in both of your drawings.

Box 4 (Enrichment)

Continued on the next page...



- Describe the design process that the girl's used when planning the chicken coop.
- Describe some of the challenges the SciGirls had on their path to building a chicken coop and how they overcame those challenges.
- Explore 48 different chicken coop designs to build: <https://www.countryliving.com/diy-crafts/g2452/diy-chicken-coops/?slide=1>

Box 5 (Extend/Real-Life)

- Compare and contrast the chicken coop made by the SciGirls to chicken coops at a modern chicken farm.
- Engineering is a sought after career choice and has many options for those choosing to go into this industry. Explore some careers that are related to engineering: <https://educatingengineers.com/career-specialties> Which of those engineering careers appealed to you the most? Why? How can you learn more about that career?