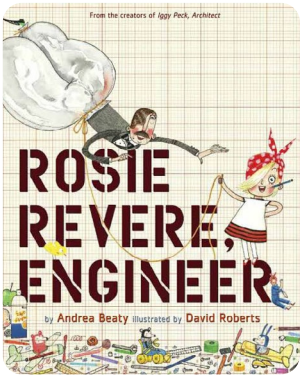
Rosie Works Through Big Feelings

This activity helps educators understand that engineering involves both critical thinking and managing feelings. Participants will observe how Rosie behaves as an engineer and reflect on the emotions that arise during creative problem-solving.



Key Concepts

- Engineering involves identifying problems, planning solutions, and testing and refining solutions
- Children use approaches to learning skills (for example, persistence) and social emotional skills (for example, emotion regulation) during the engineering and design process
- Testing and refining solutions

Materials and Setup

- Book *Rosie Revere, Engineer* by Andrea Beaty
- Paper and writing tool for each participant

20 minutes

Small groups

In-person or virtual professional learning

Activity Instructions

- Listen to or read the book *Rosie Revere, Engineer* by Andrea Beaty.
- As you explore the book, consider the following:
  - In what ways does Rosie engage as an engineer?
  - What feelings does Rosie experience throughout the story?
  - Have you or the children in your setting experienced similar feelings?
- Discuss what you notice with a small group. You might review the Sample Responses for additional ideas about ways Rosie engages as an engineer and the different feelings she experiences.

Sample Answers

In what ways does Rosie engage as an engineer?

- Rosie identifies problems (for example, a hat that will keep snakes off her uncle's head, a flying gizmo to help her aunt fly).
- Rosie is imaginative and creative. She uses materials in different ways (for example, she uses recyclable materials that others have thrown away).
- Rosie plans her designs before she builds.
- Rosie redesigns and tries again—she is persistent.
- Rosie learns from her failures.
- Rosie collaborates with others. She works with Aunt Rose to refine her designs.

What feelings does Rosie experience throughout the story?

- Rosie feels "embarrassed, perplexed, and dismayed."
- Rosie doubts herself and wants to quit.
- Rosie decides to keep her ideas to herself. She is feeling shy and insecure.

Have you or children in your setting experienced similar feelings?

Children and educators might have experienced feelings similar to those that Rosie experienced during her engineering and design activities. Think about moments where you have doubted yourself, tried something new that was challenging, or been in a situation where you felt underprepared. Often, when we try something new, we feel insecure. With practice and persistence, however, we often build confidence and are able to work through these uncomfortable emotions.

Note: This book is also included in the Count Play Explore website for families and educators. Use Count Play Explore's Book Guides and Activities related to *Rosie Revere, Engineer* to support the use of this book with the children in your settings.

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