

Rosie Revere, Engineer

A RIF GUIDE FOR VOLUNTEERS

Themes: Engineering, Design, Creativity, Careers

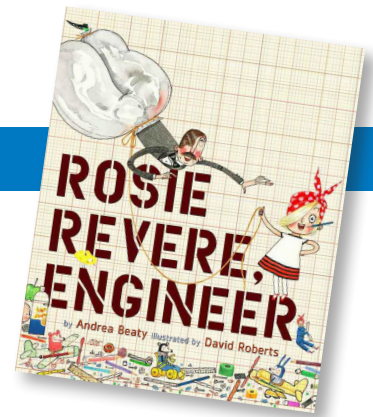
Book Brief: Rosie Revere loves to build things, but her creations don't always work on the first try—and that's okay!

Author:

Andrea Beaty

Illustrator:

David Roberts



TIME TO READ!

Before reading: Ask children what they already know about engineers. What does an engineer do? Tell them that Rosie loves to build things from scraps. What do students like to build?

RELATED ACTIVITIES

PAPER POWER (AGES 6-12)

Materials: newspapers, tape

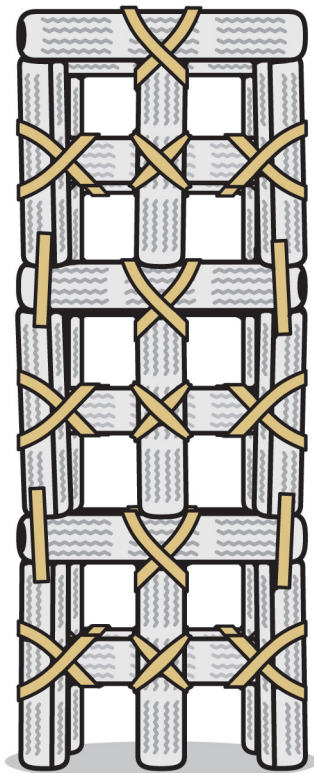
Divide kids into teams; give them equal materials.

Challenge 1: Make the tallest self-supporting structure possible.

(Taping it to the floor is cheating!)

Challenge 2: Make a structure that holds as much weight as possible.

After each challenge, have teams explain their designs and strategies. How were they different for each challenge? Why?



ACT NOW! (AGES 6-12)

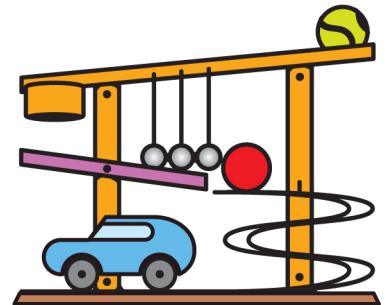
Materials: paper, markers or crayons

Engineers design things that solve problems. Let kids work in groups to design a product to solve an everyday problem. Kids should draw and label a picture of their invention, then act out an infomercial for the group explaining what their invention does and how it works.

RUBE GOLDBERG PROJECT (AGES 5-12)

Materials: anything available

A Rube Goldberg machine performs a simple task in a complicated way. (See example at: www.youtube.com/watch?v=cKb9fB8kHKI.) Have kids work in pairs or teams to build a machine to do one task, like knock over a cup or turn on a light. Have teams present and explain their machines and try out each other's machines.



ADDITIONAL RESOURCES

OTHER BOOKS BY THIS AUTHOR

Artist Ted (2012),
Attack of the Fluffy Bunny (2012),
Doctor Ted (2008), *Iggly Peck, Architect* (2007).



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