

# Rosie Revere, Engineer

## A RIF GUIDE FOR COMMUNITY COORDINATORS

**Themes:** Engineering, Design, Creativity, Careers

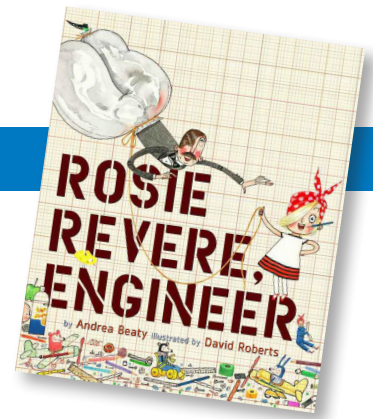
**Book Brief:** Rosie Revere loves to build things, but her creations don't always work on the first try—and that's okay!

**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

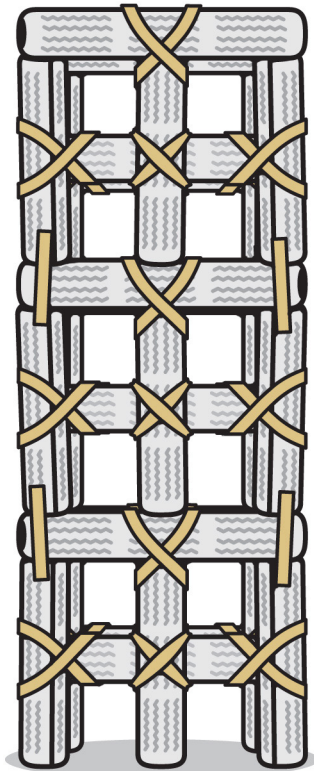
Divide kids into teams; give them equal materials.

**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)

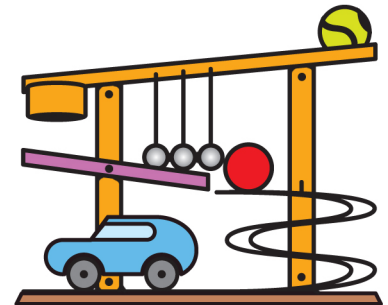
Materials: paper, markers or crayons

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](http://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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