**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),  