

## DRAW YOUR OWN CARTOON

Time to get started! One thing engineers and designers do a lot of is drawing. You might think they dive right in with materials, but no—they dive right in with pencils and paper. Start your creative juices flowing by drawing your own cartoon, just like Rube Goldberg.

➤ **Open your Rube Goldberg notebook.** Page one will be your table of contents, so turn to page two. Label the page number on the bottom. At the top, title the page with the name of the challenge and the date.

➤ **Now, consider chores in your own everyday life that you don't like doing.** Feeding the dog? Washing the dishes? Taking out the trash? Imagine if you could design a contraption that would do that simple task for you!

➤ **This first challenge is for you to draw your own Rube Goldberg-esque cartoon** that will accomplish that simple task in a humorous and complicated way. Because you are only sketching, and not building, this machine, you can use really crazy stuff in it, such as alligators and rockets and fire! Put all that stuff in your drawing now because when it gets to actually making contraptions, you won't be using those kinds of things. We don't want anyone getting eaten by alligators.

➤ **Remember to label each part of the chain reaction with a letter.** Then, write a description of each step below the drawing. You might not know much about engineering crazy contraptions yet, but let Rube Goldberg's work be your inspiration. See what you can come up with.

### Try This!

Don't worry if your drawing skills aren't perfect . . . use stick figures! What's important is following the action of the contraption and being as creative as possible.