

Make Your
Own

Room Alarm

Julia Garstecki and
Stephanie Derkovitz



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Contents

CHAPTER 1

Get Ready for
Some Fun!.....5

CHAPTER 2

Let's Build!.....6

CHAPTER 3

Get in on the Hi Jinx...20

Other Resources.....22

Chapter 1

Get Ready for Some Fun!

Privacy is important. So is having fun! Making a room alarm is a great way to combine the two. This project comes together in a snap. It uses an electric **circuit**. When an **intruder** enters your room, they'll complete the circuit. Then the alarm will sound. And your stuff will stay safe!

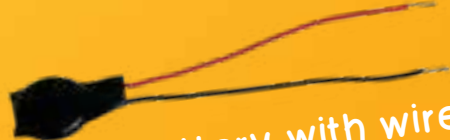


Let's Build!

Building a room alarm is actually pretty simple. Just gather some supplies, and get started. Don't worry if something doesn't work right away. Experiment until it does. And, most importantly, remember to have fun!




What You'll Need



3-volt battery with wires
(with 1 inch [2.5 centimeters]
of wire exposed)



DC3-24V buzzer with
wires (with 1 inch
[2.5 cm] of wire exposed)



15 x 5-inch
(13 x 13-cm) square
of cardboard



12 x 2-inch
(5 x 5-cm) square
of aluminum tape



electrical
tape



marker

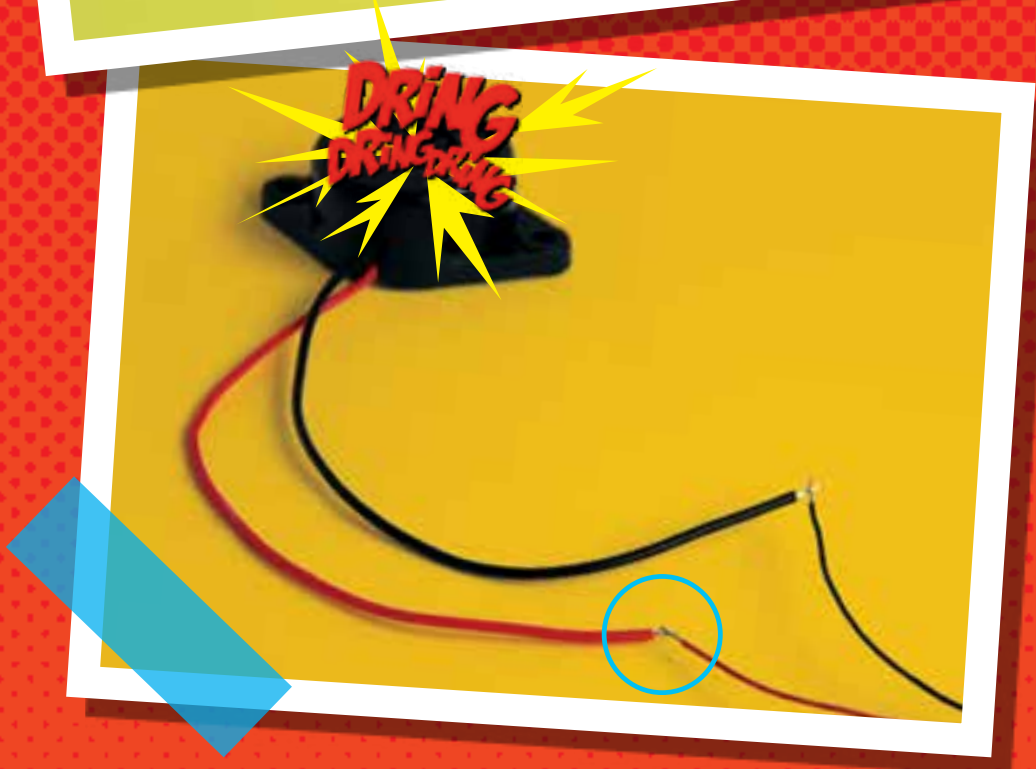
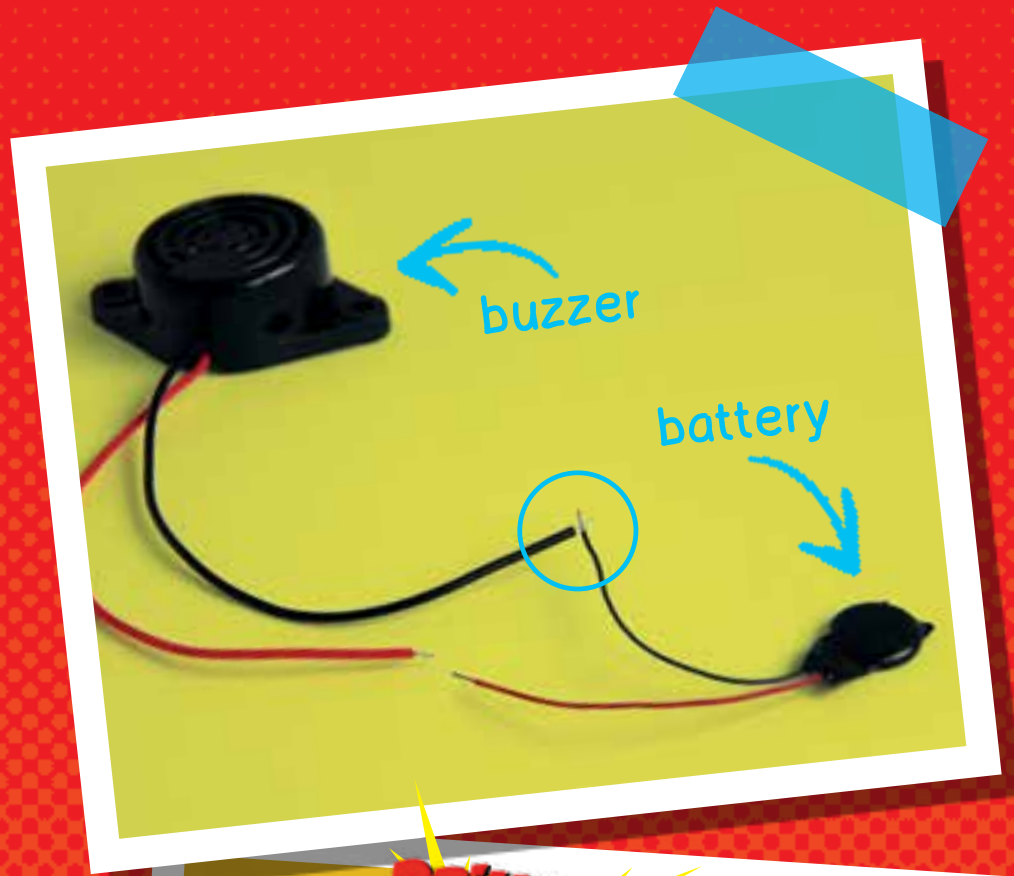


scissors



masking
tape

a responsible adult
to help you



Test the Buzzer and Battery

- 1 Touch the buzzer's black wire to the battery's black wire.
- 2 While keeping the black wires together, touch the red wires together. When the wires connect, the buzzer should sound.
- 3 Once you've tested the buzzer, you can stop holding the wires together.

HINT

An extra set of hands might be helpful. Either grow more hands or have your adult help hold the wires.