**Battery pack**

1. Use the screwdriver to unscrew the top off of the battery pack.

2. Match + on the batteries to + on the battery pack and put inside.

**WIRE**

Use your motor to WIRE a fan

1. Use the screwdriver to remove the top off of the battery pack and put inside.

2. Match red to red and blue to blue. By plugging the matching wires together, it ensures the fan turns counterclockwise. If you plugged red to blue, the motor would rotate the other way!

3. Connect the motor to the battery pack by plugging the wires together.

**Power**

Connect your circuits to rPower® to control them remotely from a smartphone or tablet!

**BUILD**

1. BUILD a Ferris Wheel!

2. Use your motor to make a chair swing, ferris wheel, carousel and so much more!

**BUILD**

1. BUILD a Chair Swing!

2. Actual color of pieces in your set may be different from those shown here. Also, there’s more than one way to build your Carnival; we’ve just shown you one way here, but you can get creative and try your own way!

**BUILD**

1. BUILD a Carousel!

2. Instructions + Ideas!

See more at roominate.com

Actual color of pieces in your set may be different from those shown here. Also, there’s more than one way to build your Carnival; we’ve just shown you one way here, but you can get creative and try your own way!
Hi there! I'm Bettina and I am ready to play at the carnival. Are you ready to play, too?

ABOUT BETTINA
Favorite Activities: Making ice cream, programming games on my laptop, and playing with Alice and her dog Harrie at the park!
Favorite Foods: Pasta and pie!
Favorite Project: Engineering my own computer!
Fun Fact: I love making jewelry using my soldering iron!
I Want to Be: An electrical engineer so that I can design medical devices, toys and automatic pasta maker. Oh, and rocket ships, too!

Hi there! I'm Jenna and I love hanging out at the carnival. Are you ready to design some awesome fun rides for me?

ABOUT JENNA
Favorite Activities: Reading, playing games and hanging out with friends.
Favorite Foods: Pizza and doughnuts
Favorite Project: Building fun picture frames!
Favorite Scientist: Charlotte Scott
Fun Fact: I love going for long drives and singing along with the radio!
I Want to Be: A calculus professor because I love math, and I enjoy teaching people how to solve problems!