

Overcome Gravity

You can model how the Space Station stays in orbit.

You will need:

- a piece of string
- a tennis ball

What to do:

1. Go outside—somewhere where there's lots of room.
2. Tie the string to the tennis ball.
3. Whirl the tennis ball in a circle above your head.

Show a friend:

Have a friend watch you do this experiment. Explain that the tennis ball represents an object in orbit and the string represents gravity. Then let the string go. The tennis ball will fly off away from you in a straight line. This is what would happen without gravity.

Safety tip:

Make sure no one is nearby when you let the string go!

