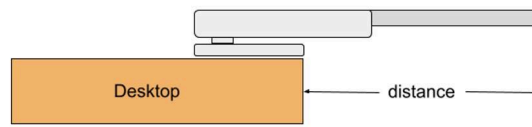


## Hang Out

VEX IQ beams and plates make up the structure of your devices. Can you build a device that hangs out the largest distance off your desk?

### Step by Step

1. Using plates and/or beams, build a device that hangs out the largest distance off your desk.
2. Pins, standoffs, and connectors can be used to connect the plates and beams, but they **can not** be used to extend the distance, as shown on the images to the right.
3. A field tile **can not** be used as the base of your device.
4. Distance is measured from the edge of the desktop to the farthest part of the device.



### 'LEVEL UP'

- Challenge a classmate to see whose device can extend the most.
- Build a bridge to span the greatest distance between two desktops.

### Pro Tips

- As soon as the balance point of your device moves off of the support of the desktop, the device will fall.
- The balance point is called the center of mass.