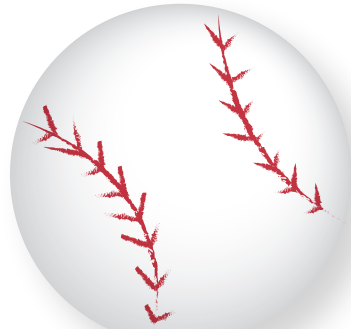


It's a Pop Fly

Celebrate the beginning of baseball season with this fun challenge.

Collect

- An assortment of building material such as duct tape, paint stirrers, popsicle sticks, wooden blocks or pools, rubber bands, and paper cups
- 1 Ping-Pong ball
- Paper and pencil



The Challenge

Using the building materials you've collected, design and build something that can launch a ball high enough for you to catch it.

Develop your plan

Brainstorm how you can use the materials you've collected to launch the ball. Then, use paper and pencil to sketch out your design. Will you make a catapult to fling the ball high into the air? A catapult can be used to launch a projectile a great distance. Or maybe you will build a lever to stomp on. Baseball players use levers each time they are up at bat to move the ball great distances.

Build it!

Use your plan as a guide to build your pop fly launcher.

Test your design

Use your creation to launch the ping pong ball into the air. How high did it go? Did it fly high enough for you to catch?

Take it further!

How can you improve your design to make it even better?
Can you alter your device to make the ball fly twice as high?

