











# INVENT THE SUMMER

## Week 1: Paper Ball Launcher

### Complete the Challenge.

Create a device to launch, throw, drop or fling a paper ball as far as possible. Your ball must be made out of a single piece of 8 1/2 x 11" piece of paper. That's the size of regular printer or notebook paper.

For kids  
12 and  
under!

The Rules	
You CAN:	You CAN'T:
<ul style="list-style-type: none"> <li>✓ Launch your ball in any direction: forwards, backwards or straight into the air.</li> <li>✓ Make your device as simple or as complex as you want.</li> <li>✓ Make your device as large or as small as you want.</li> </ul>	<ul style="list-style-type: none"> <li>✗ Put weights in the ball to make it fly farther.</li> <li>✗ Use premade or store bought launchers.</li> <li>✗ Just hit the ball with something like a baseball bat or golf club.</li> </ul>
<p>Once you can successfully launch your ball, see how far you can launch it. Now how accurately can you launch it?</p>	
 <b>Our tips to avoid angry parents</b> 	
DON'T	DO:
<ul style="list-style-type: none"> <li> Use an important document as your ball.</li> <li> Launch balls at your parents while they are trying to work.</li> <li> Leave paper balls all over the place.</li> </ul>	<ul style="list-style-type: none"> <li> Agree on the materials to use before you start building.</li> <li> Stay out of the way when building or testing your launcher.</li> <li> Clean up after yourself.</li> </ul>