

Center of Gravity

The center of gravity of an object is the location on the object where there is an equal mass all around that point. It is the same as the center of rotation, or the point about which an objects spins.

To find the Center Of Gravity of your Water Rocket I find it easiest to simply hang your rocket by a string and find the location where the rocket hangs horizontally. The Center Of Gravity will be written as a distance from one end of the rocket. We usually use the end of the nozzle as a baseline. Every time you add something to your rocket, like a nose cone or fins, the location of the center of gravity will shift toward the weight you added.

