

Decipher the mystery behind the 'water bottle flipping' trick that is causing the world 'storm'

In this game, you have to toss the water bottle onto a given plane so that it lands in a standing position that is definitely not shaken or spilled.

A new " **Bottle-Flipping Challenge** " game is attracting the attention of the online community, especially young people. In this game, you have to toss the water bottle onto a given plane so that it "lands in the posture" standing firmly without being shaken or spilled.

It sounds pretty simple to hear, but when you do it, you won't find it "delicious".

The start of this trend is **Mike Senatore** , a student at Ardrey Kell High School (USA). Mike Senatore has an impressive water bottle show in the school-sponsored talent search program, very quickly followed by students throughout the school and creates a new trend among young people.

Initially only the floor, the floor is flat but more and more young people show their creativity with many performances of difficult terrain such as launching two bottles at once, tossing bottles straight into the hole, bouncing back without looking, bounce on the narrow horizontal bar high above, .

See the video below, you will be amazed by the incredible Bottle-Flipping Challenge of young people.

Why and how to do it?

From the perspective of science, this trick has nothing difficult to do and everyone of us can do it. According to experts, the key is to keep the water level in the bottle at $1/3$. The same is true when you throw a bucket of water back over your head without spilling the water out.

Both have the same explanation mechanism, the key point here is centrifugal force.

During throwing and grounding, centrifugal force will cause water to be kept at the bottom of the bottle, so the mind will always be focused on that area. Therefore, the ratio and probability to the bottom of the first grounding bottle and standing firmly in place are very high.

Besides, to implement this game requires you to practice to have reflexes, flexible hand control. Let's try and see where our talents are.

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