

# DO ~~IT~~ TRY THIS AT HOME

#11

Featuring:  
**Marvin  
and  
Milo**

**What you need:** • a stick (1m long) • a lump of clay

Push a lump of clay about the size of your fist on to the stick...

...20cm from the end.

With the clay-end closest to your hand, try balancing the stick.

It's much easier!

The stick rotates slower when the clay is at the top, so there's more time to adjust and keep it balanced.

The further the mass is from the centre of rotation (your hand), the slower it rotates.

Now turn the stick upside down and try balancing it again.

[www.physics.org](http://www.physics.org) keywords: 'centre of mass'

Vic Le Billon