One More Idea: Every World Pulls

REVEAL AT REVIEW | 10 MIN | JUST YOUR LEGS

The point

Earth pulls everything toward its middle — but here is one more idea: **Earth is not special.** Every big ball of stuff in the sky pulls. The **Moon** has gravity too — just weaker, about **one-sixth** as strong, because the Moon is smaller. The same jump that clears a step here would sail you over a kitchen table there.

Do it

1. Have each child do their very best **standing jump** — mark where their head reached.
2. Now mark **six times that height** on the wall (stack it up with a tape measure). That is their **Moon jump**.
3. Ask: *"Why can astronauts bounce like that? Did their legs get stronger?"* No — the Moon just pulls back less.
4. Flip it: on a BIGGER world than Earth, that same jump would barely leave the floor.

> *Say: "Down is wherever the middle of your world is — and every world pulls with its own strength."*



Fig. 1 — same legs, smaller world: a Moon jump is six Earth jumps high

What to watch for

- The jaw-drop at the six-high wall mark
- Kids asking what jumping on the **Sun** or a tiny asteroid would be like — let them run with it

A PEEK AHEAD

If the Moon pulls less… would you **weigh** less there? What IS weight, and do heavy things fall faster? That whole mystery gets its own lesson soon.