

## PARENT NOTES: GRAVITY!

# ANTI-GRAVITY GLASS & SPINNING WATER

Today, we learned about gravity, and how it's different on other planets. We learned about centripetal force and air pressure



### ASK YOUR CHILD

**What did you make today?**

(An anti-gravity glass and a spinning water cup)

**How can you overcome gravity?**

(The anti-gravity glass uses the force of air pressure to push a piece of card up against the water in the glass. The spinning cup uses centripetal force, which when strong enough can overcome gravity and help to keep the water in the cup)

**How is gravity different on different planets?**

(Gravity is stronger on larger planets, because they have greater mass i.e. more “stuff” in them).

**How do you think this science is used by engineers who design theme parks?**

(Centripetal force is why you feel heavy in your seat when you go upside down on a roller coaster)

