

## **Hovercraft**

**STEP1** – Hot glue the bottle cap on top of the cd with no gaps for the air to escape.

**STEP2** - Blow up the balloon pretty full and then twist the bottom round several times (so the air doesn't all come out while you're attaching it to your hovercraft base!)

**STEP3** - Let's take your hovercraft for a test drive! Stretch the balloon over the bottle top, untwist the balloon and you're off. Try pushing your hovercraft gently and watch how far it glides!

### **Science behind it**

Why do hovercrafts glide so effortlessly?

It all has to do with friction, or lack of it!

As the air comes out of the balloon it spreads out under the CD so the hovercraft isn't actually touching the table but floating just above it on a cushion of air!

### **More Fun Please! - Experiment Like A Real Scientist!**

- Try adding weight to your hovercraft, maybe more Blue-Tac, how does that change things?
- What about blowing the balloon up more, or less?
- Can you find a way to extend your hovercraft, make the base even bigger, how does that change things?