

# Science at home

## Mission:

Ghost Hand! Get the 'Hand' to stay up by itself!

### Materials:

A cup (a glass works well)  
A disposable glove  
Baking soda  
White vinegar  
A tablespoon

### The Science:

*Baking soda (also called sodium bicarbonate) is a weak base, and vinegar contains acetic acid which is a weak acid. When you mixed them together, they reacted. One of the products made because of them mixing is a gas called carbon dioxide. You can see the gas bubbling through the mixture and as it rises it fills the glove and makes it stand up.*

### Make:

1. Put a tablespoon-full of baking soda into the glove. Don't worry what fingers/thumb it goes into.
2. Pour about 1cm (or a little less) of vinegar into the glass.
3. Carefully get the glove and without spilling any of the baking soda inside, stretch the end of the glove around the mouth of the glass. The fingers/thumb with the baking soda should be hanging over the side of the glass.
4. Pick the fingers/thumb of the glove up and hold them straight over the vinegar in the glass so all the baking soda falls out into the vinegar.
5. Let go of the glove.
6. See what happens!

### More to do:

What would happen if:

You mixed salt and vinegar instead?

You added a couple of drops of dishwashing liquid to the vinegar?

You added a couple of drops of food colouring?

You used water instead of vinegar?

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#moretosee

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