



# VistaMilk

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For what's next

## MAGIC MILK

TOTAL TIME: 5-10 MINUTES

AGE: 4-10 YEARS OLD



+



## WHAT YOU'LL NEED...

- Milk
- Food Colouring (the more colours the better)
- Dishwashing Soap
- Shallow tray
- Cotton Buds

## DIRECTIONS

### Step 1:

Pour milk into the shallow tray until the bottom of the dish/bottom is covered.

### Step 2:

Add 3-4 drops of each food colouring colour into the milk. Be creative. Note the shape of the pattern draw a picture in box 1.

### Step 3:

Dip the tip of a cotton bud into dishwashing soap. Just a small drop will do.

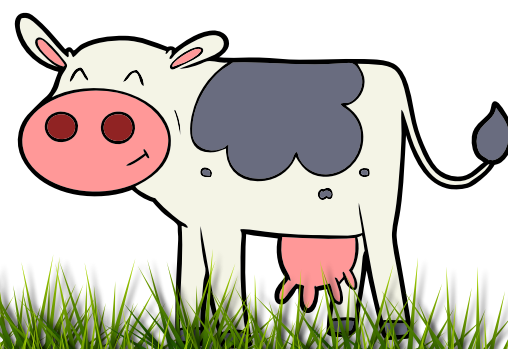
### Step 4:

Place the tip of the cotton bud that has the dishwashing soap on it into the center of the milk.

### Step 5:

Watch the magic happen! Note the shape of the colour pattern again and draw a picture of what happened in box 2.

## Bó the Cow

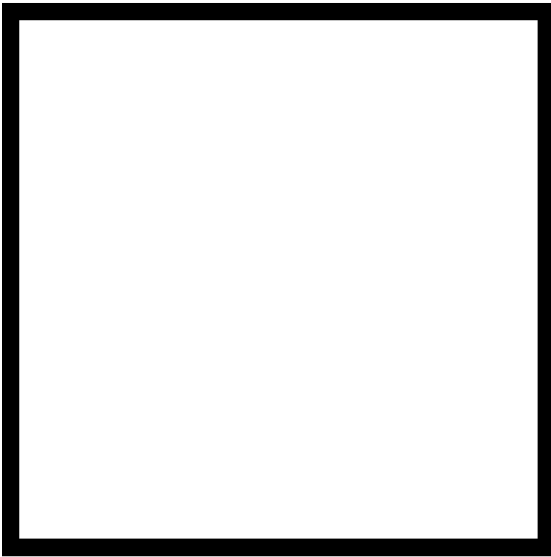




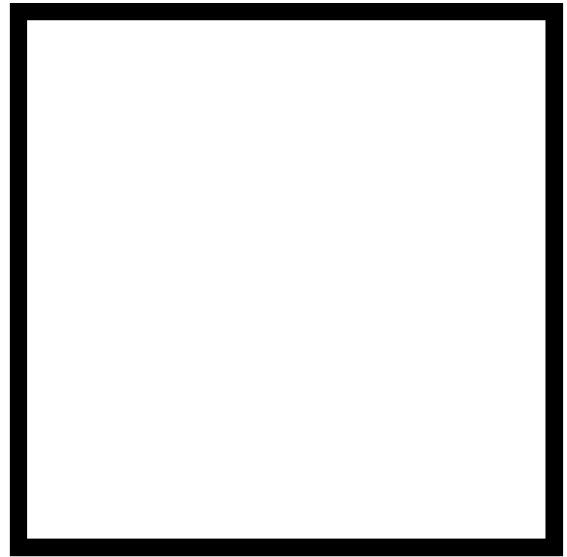
# VistaMilk

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## THE SCIENCE BEHIND MAGIC MILK



Box 1



Box 2

### **Bó explains**

Milk is a liquid and has what is called "surface tension". This means that all the milk molecules line up on the surface and form a very small barrier between the liquid and the air on top. When we add the liquid soap we break this surface tension and all the colours are carried on the back of the milk molecules away from the soap.

**Bó the Cow**

