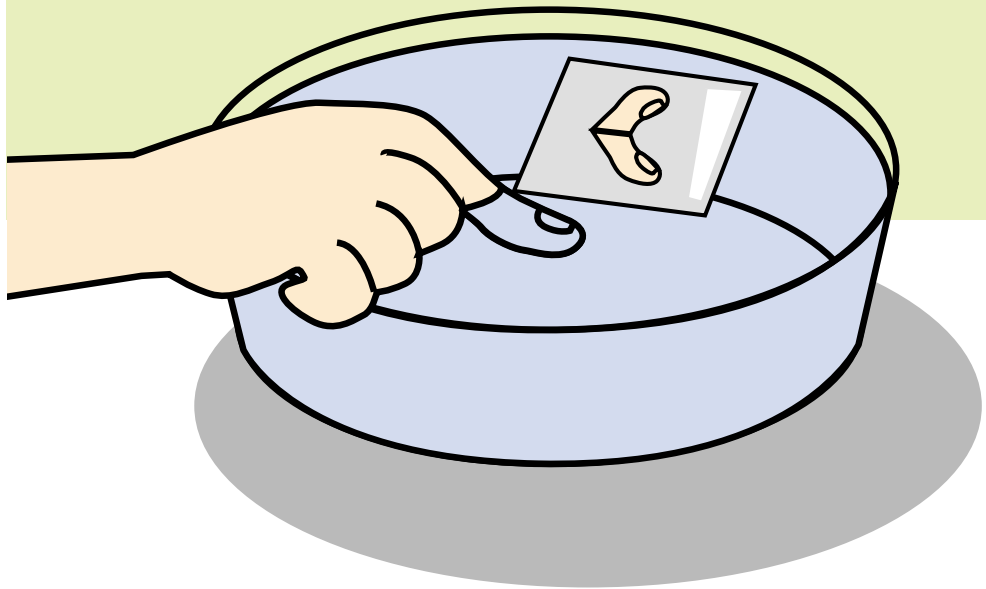




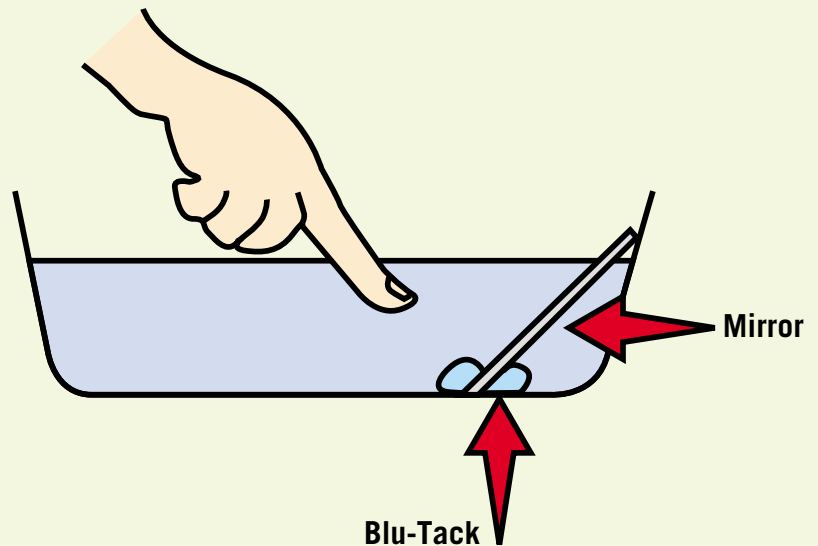
Creepy Reflections and Floating Finger

<p>EQUIPMENT</p>	<p>A small plastic mirror</p> <p>A clean washing-up bowl</p> <p>Water</p> <p>Newspaper</p>
<p>PREPARATION</p>	<p>Collection of the equipment</p>
<p>BACKGROUND INFORMATION</p>	<p>This is how to get a fish's eye view of a water surface.</p> <p>The mirror enables you to see the surface of the water from <i>underneath</i>.</p>
<p>SKILLS</p>	<p>Investigating and experimenting</p>
<p>ACTIVITY</p>	<p>Put the mirror in the bowl of water at an angle of about 45°. Look into the mirror through the water and put your fingertip into the water.</p> <p>You should see the tip of your finger appearing out of nowhere. Next to it will be a reflection of your fingertip. The strange thing is that there is no hand attached to the finger.</p>
<p>SAFETY</p>	<p>Care with water.</p>



Creepy Reflections

1. Fix the mirror into the bowl at an angle of 45° . You may need to stick the bottom edge of the mirror with Blu-tack or Plasticine.
2. Fill the bowl with water; it does not matter if the mirror is not completely submerged. When the water has settled look straight down at the mirror through the water.
3. Slowly put your fingertip into the water, fairly close to the mirror.
4. What do you see in the mirror?



Floating Finger

Now try THE FLOATING FINGER (no equipment needed)

Hold one finger of each hand in front of your eyes like this:

Stare at something beyond your fingers – not at your fingers.

Stare hard at the gap between your fingers.

What do you see?

Do you see a short finger (in-between your two fingers) with a nail at each end?

(You are seeing 2 fingers with each eye, i.e. 4 in all. The 2 extra ones overlap.)

