

Science at Home



In school this half term, we have been looking at sustainability. As part of this, the children will have the opportunity to take part in the Great Science Share on 15th June. The children have already started creating questions they would like to be answered through investigation. Why not ask your child what their questions is.

Equipment: whole milk, washing up liquid/soap, food colouring, tray, cotton bud or something similar.

Process

1. Pour a layer of milk into your baking tray or plate.
2. Gently drop a few drops of food colouring onto the surface of the milk – spread these out.
3. Add drops of the washing up liquid on top of the food dye and watch what happens. **Safety:** Do not drink the milk after!

How does it work?

Milk is made up of minerals, proteins, and fats. Proteins and fats are susceptible to changes. When the washing up liquid is added to the milk, those molecules run around and try to attach to the fat molecules in the milk. You wouldn't see this without the food colouring! The food colouring looks like fireworks because it's getting bumped around!