Using different types of milk:
- Put some of the milk onto a small plate. Just use 1 type of milk.
- Put a few drops of different food colouring on one of the plates of milk (middle). Use 2 or 3 different colours to start with.
- Put the cotton bud into the dish wash liquid and swirl it so it is not going to drip off the cotton bud.
- Then touch the cotton bud right in the middle (in the milk) in between the food colouring you put in earlier. The colours will react and spread (you can leave the cotton bud resting in the milk as the reaction will continue to burst and move for a short while). It is actually the soap from the dishwashing liquid and the fat from the milk that causes the reactions you see.
- Now do the same above using different types of milk and see what different reactions occur (different amounts of fat in the milk will cause different reactions).

Using Glue (PVA but you could also try other glues)
- When you do the above using glue, leave it to dry, then once dried, you can then peel it off with the pattern it made due to the reaction (like a painted glass sheet of glue). Plastic plates are best for this.

Steps in the Scientific Method used for this activity/experiment are highlighted:

Teacher Notes:
Class: 
School: 
Date Lesson/Activity/Experiment Taken: 
Results/Outcomes/Notes/Observations etc:
A. What is the Purpose of the experiment/activity?

B. Write 2 Questions/Enquiry about what you would like to find out.

C. My Hypothesis/My Prediction: Now you know what the experiment/activity is going to be. What do you predict will happen? Is it possible to do it and if so, how is it possible?

D. What was the Procedure (the order you did things) and what did you do to prepare for the experiment?

E. My Analysis/Statement/Data: What happened?

F. Conclusion. Write a closing statement about what you conclude about the experiment. This may include some further 'how' and 'why' questions you would like to find out.
G: What Materials did you use to complete the activity/experiment?

H: Other notes, questions you want answered, things that you wondered about etc.

I: Sketch/Diagram about something related to your experiment/activity.