Foundation Subject –Science

Is Custard a Liquid?

Equipment:

- Custard powder or cornflour
- Water
- Measuring cup
- Spoon
- Butter knife
- Two large identical bowl
- Two cups
- Two drinking straws
- Two marbles or pebbles
- Two ping pong balls

Method:

1. Predict: Is custard a solid, liquid or gas?
2. Make custard by mixing two cups of custard powder or cornflour with a cup of water in a large bowl. Use a spoon and mix thoroughly.
3. Fill a second bowl with cold water.
4. Look closely at the two bowls. Compare and record the appearance of the water and custard.
5. Gently rock each bowl and identify if the water and custard flow and ripple. Record your observations.
6. Try and pour both the water and custard into clean cups and record what happens in each case. Put the materials back into their bowls.
7. Try and hold the water in your hands. Then try and shape a ball with it. Now try holding and moulding the custard. Wash and dry your hands then record your observations.
8. Try and cut the water and custard using a butter knife. Record your observations.
9. Use a clean straw to try and blow (not suck!) bubbles in the water. Then try it with the custard. Record what happened.
10. Firmly punch the surface of the water pulling your hand away immediately after punching. Do the same with the custard. Record your observations.
11. Drop a marble or pebble into each bowl and watch what happens. Do the same with ping pong balls. Record which ones floated and which ones sank.