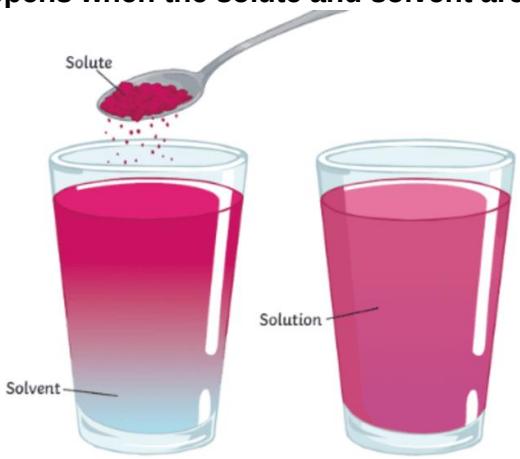
Viridis Schools The Federation of Orchard Primary School Southwold Primary School Hoxton Garden Primary School

Topic Task Week 3
Science Experiment

L.I. To observe dissolving and identify when a solute is dissolved

You need a responsible adult to assist you with the hot water.

Task:
You will need to stir different ingredients into hot water and decide whether the solute has been dissolved.
As you can see in the diagram below **the solute is your ingredient** and the solvent is what enables your solute to dissolve. For this experiment, **the solvent is hot water.**
The solution is what happens when the solute and solvent are mixed together.



You will need to empty and clean your glass/beaker after each solution has been made.

Fill in your predictions using the table below before you begin.

Solute	Prediction	Observation	Result
	Will it dissolve? Yes or No	What does the solution look like? Transparent/Opaque/Sediment	Did it dissolve? Yes or No
Salt			
Sugar			
Flour			
Fruit cordial			
Coffee			
Pepper			
Jelly cube			
Soil/dirt			

Equipment:

- **A range of solutes (a spoonful of each):**
  - Salt
  - Sugar
  - Flour
  - Fruit cordial
  - Coffee
  - Pepper
  - Jelly cube
  - Soil/dirt

- **Beaker/Glass**
- **Stirring rod/teaspoon**
- **Spoon**
- **Timer**
- **Hot water (Kettle)**
- **Bucket and sieve (for disposal)**

Method:

Step 1: Half fill the beaker with hot water.

Step 2: Add 1 spoonful of the substance you are testing and stir for 3 minutes.

Step 3: Observe the solution carefully. Can you see any of the substance remaining? Is the solution transparent (see-through)?

Step 4: Record your observations into the table.

Step 5: Empty and rinse your beaker through the sieve and into the bucket.

Step 6: Repeat steps 1 to 4 for all remaining substances.