



# St Cyres Transition Science Challenge 3



## Rainbow in a cup

### Method

- Fill each glass with 100ml of warm water
- Add a couple of drops of different food dye to each glass and stir
- Decide the order in which you would like to layer your colours from top to bottom
- Starting with the bottom colour – add 3 Tbsp of sugar, add 2 Tbsp of sugar to the next colour, 1 Tbsp of sugar to the next and none to the top colour.
- Stir vigorously until all the sugar has dissolved
- Let the coloured water cool completely
- Using the Syringe, add 20ml of the bottom colour to a small glass, then 20 ml of the next and so on
- Hopefully you will have created a layered rainbow water effect into the glass

### Materials needed

- 4 drinking glasses
- Measuring Jug
- Food Dye
- Sugar
- Syringes
- Spoons
- A small glass to layer the coloured water into



### Tips for Parents & Teachers

Use a marker to draw a line, pointing out the level to which each glass should be filled (100ml) – this will make it easier for younger children who cannot yet measure quantities

Share your photos with @StCyresScience @CyresTransition @MrsTomlinsTeach @MstHiraniU

