

# CRUNCH TIME

## Fizzing Lemonade Cubes



**Serve Information: Makes 2 Fizzing Lemonade Drinks**

### INGREDIENTS:

4 packets of liquid food colouring (green, yellow, blue, and red)  
4 sugar cubes  
Bicarbonate of soda (enough to half-fill a medium snaplock bag)  
3 medium lemons  
600ml water

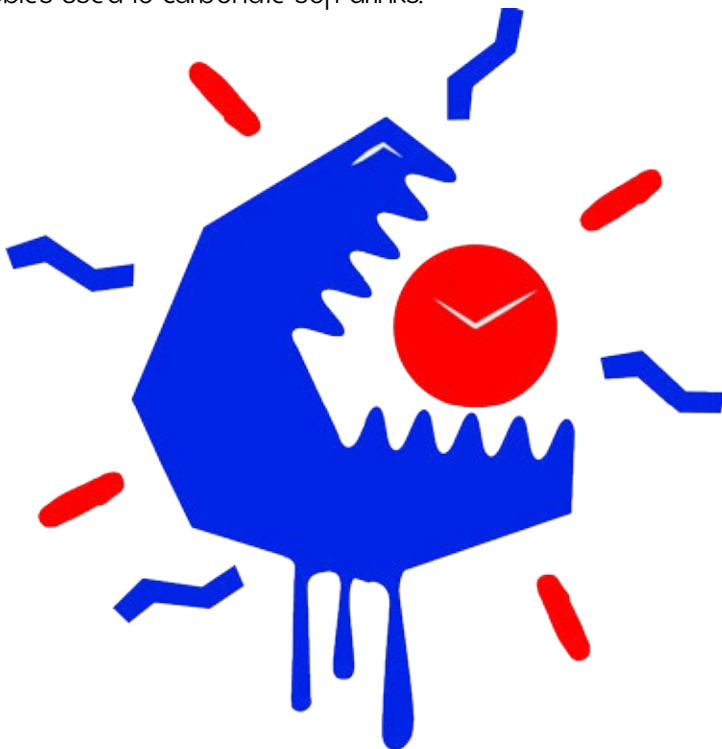
### EQUIPMENT:

Dinner plate  
Medium snaplock bag  
Small saucer  
Small knife  
Lemon squeezer  
Small measuring jug  
Medium measuring jug  
Wooden spoon  
2 tall, clear, drinking glasses



## METHOD:

1. Decorate sugar cubes with a drop of food colouring. Put green and yellow on 2 sugar cubes and red and blue on the other 2
2. Place bicarbonate of soda in ziplock bag
3. Place the decorated sugar cubes in the ziplock bag, seal, and shake to coat the sugar cubes in bicarbonate of soda
4. To make fresh lemonade, squeeze the lemons and pour into a jug
5. Add the water to the lemon juice and stir
6. Pour the fresh lemonade into 2 glasses
7. Pop the 2 yellow and green decorated sugar cubes into 1 glass of lemonade and watch the lemonade fizz and change colour
8. Place the other 2 blue and red sugar cubes in the other glass of lemonade. The different coloured food colouring on the sugar cubes changes the colour of the drink
9. A chemical reaction causes our home-made lemonade to fizz up: the citric acid in the lemon juice combined with the bicarbonate of soda (which is a base) to form carbon dioxide gas bubbles. These are the same types of bubbles used to carbonate soft drinks.



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