



PREPARATION

THEME: CHEMISTRY CHAMPIONS

MYSTERY BAG

LEMON, RAISINS OR MILK!



EXPLORATION RESOURCES

- MIXTURE: PASTA, JUG OF WATER & SIEVE



- FIZZY LEMONADE: LEMONS/LEMON JUICE, WATER, SUGAR, BICARBONATE OF SODA



- RISING RAISINS: RAISINS, BICARBONATE OF SODA, WATER, VINEGAR

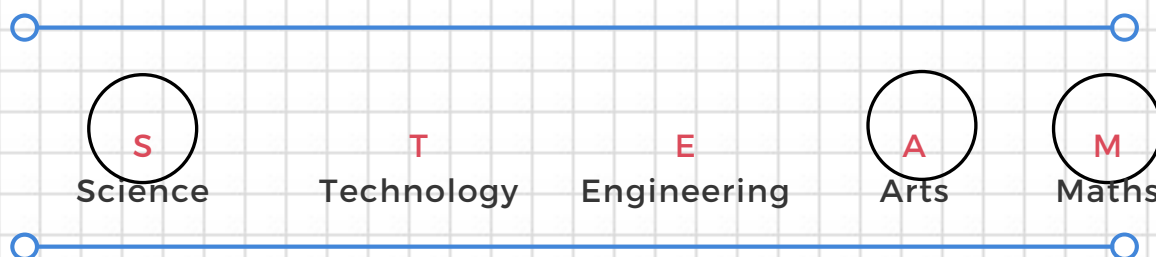


- MOVING MILK: FULL FAT MILK, FOOD COLOURING, WASHING UP LIQUID, TOOTHPICKS OR COTTON BUDS



EXPLORATION

THEME: CHEMISTRY CHAMPIONS



Questions/Ideas:

Simple Mixtures: Let's mix together pasta and water. How can we separate them back out again? Do you see a reaction?

Fizzy Lemonade: Let's mix 120ml lemon juice with 240ml water. Add some sugar and stir. What has happened to the sugar? Finally add one 1 teaspoon of baking soda and observe!

Rising Raisins: Fill a glass $\frac{3}{4}$ full of water. Add 5 raisins. Do they float or sink? Add 1 tablespoon of baking soda and stir until it dissolves. Add 2 tablespoons of vinegar and observe! What is happening?

Moving Milk: Pour some full fat milk into a shallow tray. Add some drops of food colouring to make a nice pattern. Dip your cotton bud into a bowl of washing up liquid and observe! What is happening? [It will only work the first time]

Learning:

Science: Mixtures; Separating mixtures; Dissolving; Reactions changing a substance; Reactions producing bubbles; Bubbles floating to the surface; Predicting, testing and observing.

Arts: Making patterns with food colouring and mixing colours.

Maths: Counting; Measuring ingredients.

Fine Motor: Mixing; Measuring; Pouring.

