

## Science CBA 1: some possible ideas

The key to a suitable idea: ask yourself is there a variable you can **change** and **measure** so that you can make a hypothesis. So for one example below:

*'how could baking powder affects how high a cake will rise'*

You can **change** the mass of baking powder in each cake

You can **measure** how high the cake rose up.

I wonder:

- how baking powder affects how high a cake will rise.
- How temperature will affect how fast an effervescent tablet (berocca) will dissolve
- How temperature might effect the elasticity of a rubber band
- How parachute size affects how quickly an object will fall
- Which vegetable makes the best pH indicator
- Does the temperature of water affect the mass of the water
- Does the temperature of a ball effect how high it will bounce
- How I could make a cup to keep tea warm for longer
- How could I make a baking soda and vinegar rocket fly best
- How the temperature of water affects how much salt will dissolve
- What conditions will make milk 'go bad'
- Does temperature effect the 'strength' of a magnet
- Do different types of chocolate melt at different temperatures
- Does the temperature of a magnet effect the how many paperclips it can pick up
- Does the temperature of water affect the mass of the water
- Does the temperature of water affect the volume of the water
- When vinegar is added to baking soda, does the amount of vinegar affect the volume of carbon dioxide produced
- Does temperature affect the elasticity of an elastic band?