

Keeping Chilled in Lockdown

Here is a simple experiment for youngsters to enjoy at home during lockdown. It helps explore science but also touches on problem solving and maths as well!

Kit Required

Ice cubes

Stopwatch

Insulation material (papers, cotton wool, fabric, moss, whatever you have handy!)

Alternative

Alternative If it is really cold where you are you could do the opposite and keep some water warm instead. You would just need a container to hold the water, a thermometer and insulating materials.

Please be mindful of scalds and burns.

This is a simple experiment which is easy to set up. The aim is to discover which material is best for insulating an ice cube to prevent it from melting.

Simply set children a time to work together to decide how to insulate the ice cube.

Once insulated, place in a set location and do not move it.

Decide how regularly you will check your cubes (this will be determined by your weather, temperature etc).

Which materials keep the cube from melting the longest? Why was that?

