***Egg bungee jump*** Planning ahead and equipment list

## Investigation

### Equipment needed per group

* 1 egg (plus some in reserve to account for breakages)
* 1 plastic sandwich bag or ziplock bag
* 1 wire length (or large paper clip)
* 1 or 2 boxes of rubber bands (a longish size will work as long as they are not so weak that they break with the force exerted by the falling egg or so strong that they hardly stretch from the force of the falling egg)
* 1 metre ruler
* 1 retort stand
* 1 boss head and clamp
* 1 pair of pliers (can be shared between groups)

**Notes**

1. Ziplock plastic sandwich bags work well to hold the egg.
2. The wire or paper clip should be tightly wound around the top of the plastic bag (maybe using pliers) to avoid the bag slipping and the egg breaking.
3. Make the length of the wire shorter than the length of the unstretched rubber band so that the bottom of the egg can be lifted level with the clamp shaft on the first drop.

### Planning ahead

The rubber bands to be used for the student investigation could be ‘road-tested’ first to ensure they are of suitable length and strength.