Make a model of a polluted river







You will need:

- A bucket to provide water
- A small spade
- Guttering or halved swimming pool hose for the river



- A basin for the "dam"
 - 2 plastic bottles
- 1 teaspoon of washing powder to represent the washing of clothes in rivers (pollutant)
- 3 tablespoons of lentils to represent heavy metals (pollutant)
- 1 tablespoon of food colouring to represent dangerous chemicals (pollutant)
- 2 tablespoons of coffee to represent sewage (pollutant)
- 1 tablespoon of cooking oil to represent oil and petrol (pollutant)
- 1 handful of sweet papers to represent litter (pollutant)





- Design and build a short river in the school ground – see the illustration for how to do this.
- Pour some water into the model.
- When the water reaches the basin (dam), collect a sample of the water in a plastic bottle.



- As the water flows down the river, add the pollutants to the water.
- Once all the water and pollutants have ended up in the basin (dam), collect a sample of the polluted water in a bottle.
- Record and compare the physical characteristics of the water before and after adding pollutants (colour, odour, clarity, etc.)





