

Water quality challenge

You're part of a 'Water quality team' protecting a local waterway.
Get ready for quick thinking and teamwork!

How to play

1. Form small groups of 3-4 students.
2. Present scenarios about potential water pollutants.

For each scenario, your team has 30 seconds to:

- a) Identify how it might affect water quality
- b) Suggest a solution to prevent or reduce the pollution

Litter near a stormwater drain

(stormwater drains
lead straight to the
nearest waterway)

Excess fertiliser use in a nearby garden

(fertilisers in the run-off
causes extra nutrients in
the waterways, feeding
algal blooms)

Oil leak from a parked car

(when it rains, the
motor oil washes into
the stormwater drains)

Unusually warm weather affecting a local pond

(evaporating it so there
is less, stopping the flow
so there is a build-up of
pollutants or nutrients that
affect the aquatic life)



3. After each round, discuss the responses.
4. Points will be awarded for accurate and creative solutions.
5. The team with the most points at the end wins Water Guardians badges!