

Activity M.2

Home Water Audit



S.T.E.A.M is an abbreviation for Science Technology Engineering Art and Maths and is an integrated approach to learning that encourages learners to make connections between concepts and thinking which can be applied to solving real world problems.

Whether you are new to STEAM or not, these easy to manage projects all about water will encourage critical thinking skills and scientific processes all while having lots of fun along the way.

Background Information

In Cairns we live in a climate of extremes, on average we receive almost 90% of our annual rainfall in just 5 months, meaning we need to manage water supplies through prolonged dry periods. Like all Queenslanders, we must be ready to adapt our water use in times of drought and flood. Do you know how much water you use per day? Use our home audit table to calculate how much water you and your families use, then look for ways to try to reduce your water consumption.

For this activity you will need:

- Home water audit worksheet
- Stopwatch
- Calculator

Explore more...

Average water use varies considerable across Queensland, towns affected by drought, such as Stanthorpe in 2019 had average water use down to just 80L per person per day.

Looking at your water audit, how do you compare?

What are some ways you could conserve water in your home?

Check out Cairns Regional Councils breakdown in average home water use in Cairns, how does your water use compare to the average Cairns household?

Did you know?

A leaking tap can waste more than 200L of water per day!

REMEMBER Let the rain water your garden. If you do need to water your plants, using a trigger hose is the best way to prevent water wastage. Mulch on garden beds is another great way to reduce water usage.