

# Activity T2

## Mobi's Catchment Challenge



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

Cairns Regional Council is leading the way using smart technology such as sensors and cameras to monitor water quality in Saltwater Creek. The data gathered helps us to plan and improve stormwater infrastructure and to ensure our urban water run-off is not harmful to marine life or the Great Barrier Reef. A set of educational resources and games have been developed to help you learn more about water quality and ways you can help look after the Great Barrier Reef. Head to Council's website to discover more.

[www.cairns.qld.gov.au/smartcatchments](http://www.cairns.qld.gov.au/smartcatchments)

### For this activity you will need:

- An iPad to download "Mobi's Catchment Challenge" app (ipad only) from the App Store
- A computer to access education tools at:

[www.cairns.qld.gov.au/smartcatchments](http://www.cairns.qld.gov.au/smartcatchments)

### Explore more...

Take a walk around your neighbourhood and look for ways to improve the health of creeks near you - make posters or talk to your neighbours.

Some aquatic insects and other creatures (like Mobi the mudskipper) are good signs that the creek is healthy. Next time you visit your local creek, look a little closer at what is there. Use local field guides to help identify what you have seen.

**Did you know?** Stormwater (rain that falls on a roof, road or paved area) is not treated and can carry harmful pollutants from urban areas to the ocean. Along with general litter the biggest stormwater pollutants are sediment, nutrients and pesticides. We can all make small changes to our daily habits, to ensure the future of the Great Barrier Reef.

**REMEMBER** we all have a part to play in protecting the health of our catchment - wash your car on the lawn, pick up litter and dog poo, and always dispose of your rubbish thoughtfully.