

Teaching Strategies: Tropical Cyclones & Extreme Weather

Introduction:

This set of worksheets has been developed in response to recent cyclonic weather in Queensland, which has been widely reported in the media and has caught the public interest.

Extreme weather of various types is reasonably common in Australia, and so is often a topic of discussion between friends, including on social media.

Given Australia's generally hot, dry climate, rain is a very precious resource. Many Australians measure the rain that falls where they live, and closely follow the progress of severe storms using online tools.

There are many ways to access weather information, much of it up-to-the-minute.

Recommendations

- <http://>
- <http://>
- <https://>
- <http://>
- <http://>

Australian

Curriculum

There are many
Some suggestions

Mathematics

- measurement - measuring rainfall, calculations of volume of water falling as rain
- statistics - collecting, collating and displaying weather data
- probability - likelihood of future weather events, extreme events (such as 100-year floods)

Science

- the water cycle: evaporation, condensation, precipitation
- freezing and melting
- atmospheric layers
- erosion caused by floods and its mitigation
- biological effects of severe events such as floods, droughts and bushfires
- science of combustion, how to quench a fire
- weather patterns over long time periods

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[rainfall](#)

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Geography

- climatic zones
- climate and weather
- adaptations of plants and animals to cope with weather events
- human adaptations of houses, road infrastructure, power structures and so on to cope with weather events
- seasonal weather patterns and climate
- comparison of weather patterns in the northern and southern hemispheres
- measures taken by farmers to cope with extreme weather, such as droughts or flooding
- measu

English

- writing
- creatin
- writing
- creatin

Art

- create
- drawin
- design
- fires
- Create



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