



Climate Change

How 1.5 degrees could change the world

<https://www.bbc.com/news/topics/cmj34zmwm1zt/climate-change>




How can we take action on climate change as a school community at Catherine McAuley?


What is Climate Change?


- A change in global temperatures
- Environmental change may have a natural impact by human activity
- One major impact on environmental change is greenhouse gases in the atmosphere which includes the burning of fossil fuels for heating energy generation





HOW WILL CLIMATE CHANGE AFFECT AUSTRALIA?


 Cyclones are likely to become **more intense**, but less frequent.


 Extreme rainfall events are expected to become **more intense**.

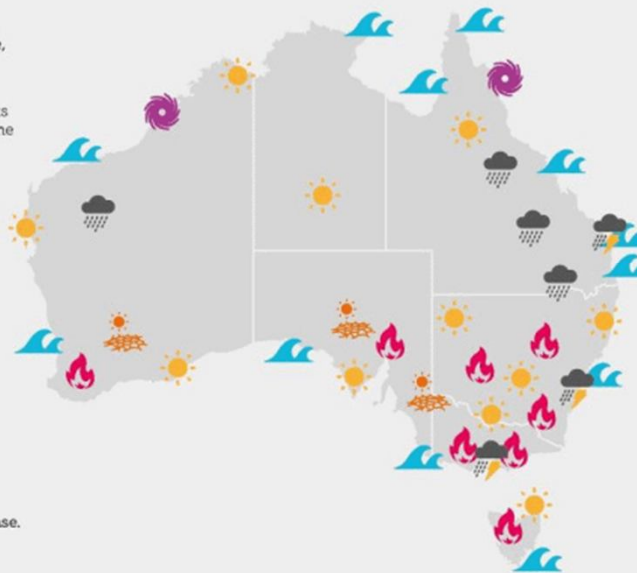
 Hotter and drier conditions will lead to harsher bushfire weather.

 Heatwaves will become even **longer and hotter**.

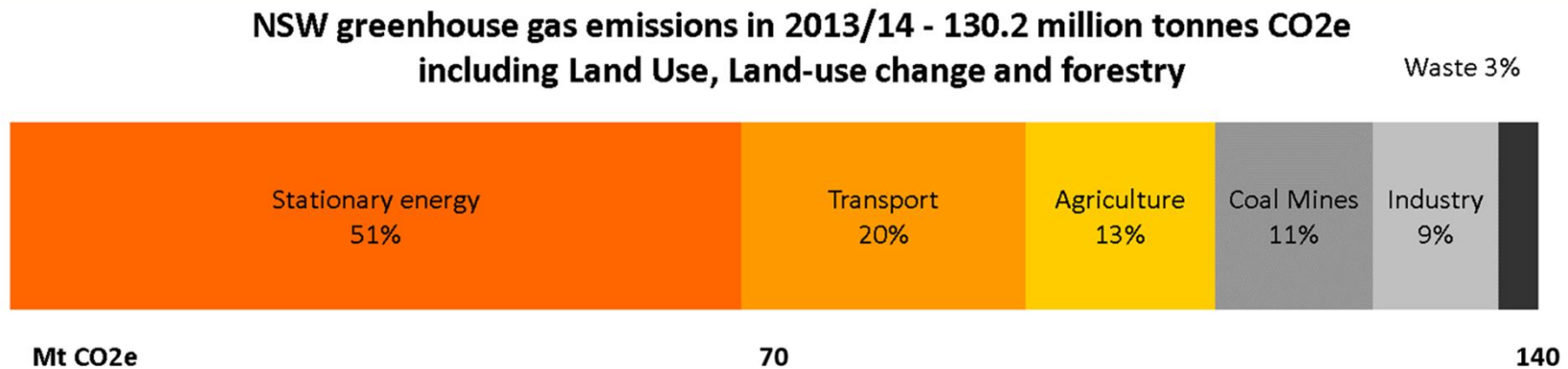
 Higher sea levels will **increase flooding** in coastal cities and towns.

 Potential severe thunderstorm days are expected to **increase**.

 Droughts are likely to happen **even more often**.



- NSW greenhouse gas emissions in 2013/14 - 130.2 million tonnes CO₂e including Land Use, Land-use change and forestry**
- Waste 3%
-
- | Sector | Percentage |
|-------------------|------------|
| Stationary energy | 51% |
| Transport | 20% |
| Agriculture | 13% |
| Coal Mines | 11% |
| Industry | 9% |
| Waste | 3% |
- Mt CO₂e
- 70
- 140



Impacts of Climate Change

- Heat Waves - Which make areas at risk of extreme heat and fire.
- Heavy Precipitation- Heavy downpours are becoming more common in many locations.
- Sea-Level Rise - Warming and damaging seas and oceans.

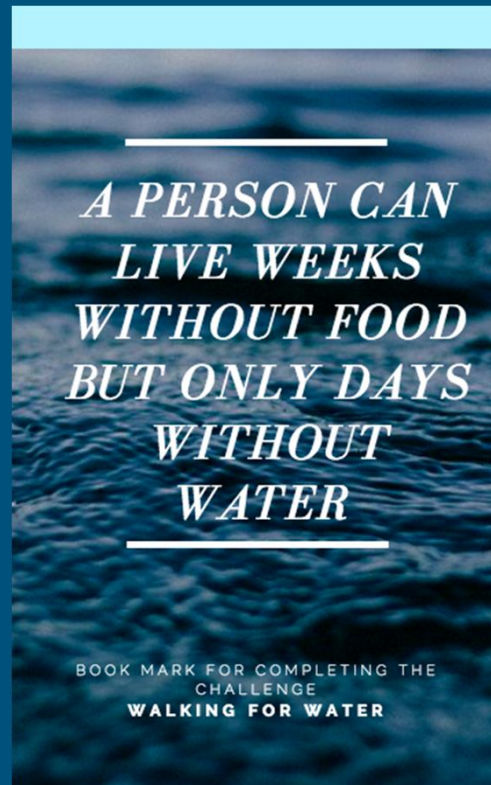
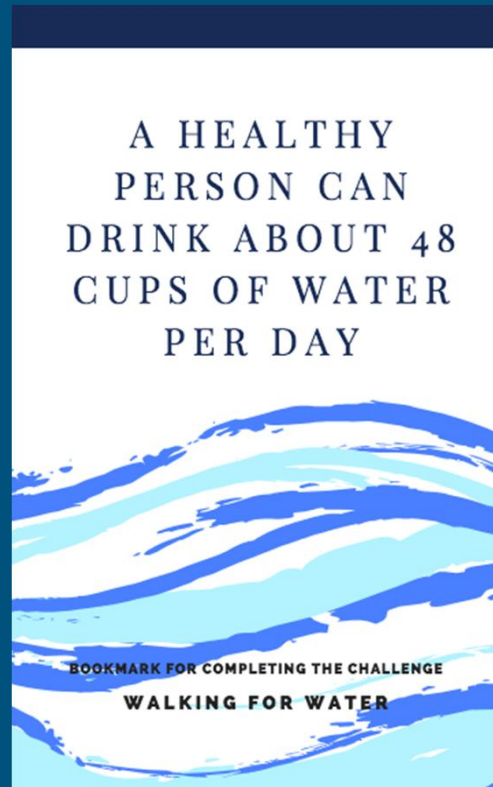


Impacts of Climate Change

- Threats to Habitats and Animals - As temperatures warm, many plants and animals are migrating, making it difficult to adapt to new habitats.
- Ocean Acidification - Make it difficult for corals and microorganisms to survive, disrupting the food supply for other animals.
- Wildfires - Wildfires can destroy homes and be deadly.
- Drought - Warmer temperatures can increase water demand and evaporation, stressing water supplies.



Previous initiatives done at our school



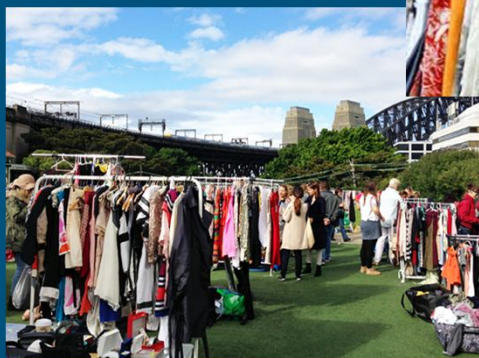
Walking for water bookmarks

This is one example of an initiative put in place at our school by past leaders

Previous initiatives done at our school



Our ideas for the future



MercyWorks

SISTERS OF MERCY IN AUSTRALIA & PAPUA NEW GUINEA

Fast Fashion Industry

Fast fashion can be defined as cheap, trendy clothing, that samples ideas from the catwalk or celebrity culture and turns them into garments in high street stores at breakneck speed.



Laudato Si, Pope Francis' Encyclical

"The climate is a common good, belonging to all and meant for all. At the global level, it is a complex system linked to many of the essential conditions for human life".

- Pope Francis in Laudato Si.

ipcc
INTERGOVERNMENTAL PANEL ON climate change

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Special Report on Global Warming of 1.5 °C (SR15)

Following the decision of the panel at its 43rd Session to accept the invitation from the UNFCCC, at its 44th Session, the Panel approved the outline of *Global Warming of 1.5 °C, an IPCC special report on the impacts of global warming of 1.5 °C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty*. The report will be finalized in October 2018.

- Summary for Policymakers **New**
- Authors and Review Editors
- Leaflet: Global Warming of 1.5 °C
- Report page **New**

THE UN REPORT FINDINGS.

The IPCC report heralds the return of the coal culture wars
The Australian Financial Review - 9 Oct. 2018
The findings of the Intergovernmental Panel on Climate Change report ... the auspices of the United Nations – makes some stark warnings about the ... The future of coal in Australia's energy mix will be one of the key ... Not surprisingly, the Greens have gone off their head about the Coalition's response to ...

Australia should be 'exporting sunshine, not coal', economist Jeffrey ...
The Guardian - 15 Oct. 2018
Economist Jeffrey Sachs has criticised successive Australian ... the UN Intergovernmental Panel on Climate Change (IPCC), which warned that fossil fuels ... host Tony Jones said in response to Bartholomew's scepticism. ... "The idea there is not consensus around climate change is outrageous," she said.

IPCC issues dire climate warning, says coal must go to save Great ...
ABC Local - 7 Oct. 2018
Australia and the rest of the world must virtually eliminate the use of coal for ... the UN's Intergovernmental Panel on Climate Change (IPCC) said global ... In 2015, almost every country agreed to stop global warming at "well ... Price released a statement in response to the report, in which she said the ...

Australia has two decades to avoid the most damaging impacts of ...
SBS - 8 Oct. 2018
The terrifying report our polities are ignoring
Courier Mail - 9 Oct. 2018
World leaders 'have moral obligation to act' after UN climate report
In-Depth - The Guardian - 8 Oct. 2018
View all

Hitting 1.5°C: The Stark Climate Choices for Governments
Chatham House - 11 hours ago
However the UN's Intergovernmental Panel on Climate Change (IPCC) has ... Myles Allen: One of the key findings of the report is that it is physically, ... plants in Australia – to respond to the report at the UN Climate Change ...



<https://catholicclimatecovenant.org/encyclical>