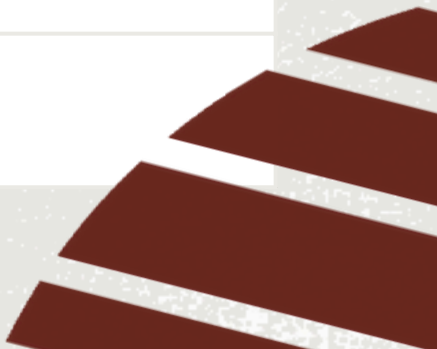




TEACHER GUIDE

Topic	<i>Tackling Climate Change: Years 3-6</i>
Excursion Duration	<p>Full-Day (10 am - 2 pm) X3 45-minute activities</p> <ul style="list-style-type: none"> • Understanding the Climate Emergency (Carbon Cycle and Fossil Fuels) • The Energy Solution (Renewable Energy) • Climate Site Tour (CERES Solutions) <p>Half-Day (10 am - 12.30 pm) X2 45-minute activities</p> <ul style="list-style-type: none"> • Understanding the Climate Emergency (Carbon Cycle and Fossil Fuels) • The Energy Solution (Renewable Energy)
Excursion Learning Intentions	<ul style="list-style-type: none"> • Students discover how energy is used to generate electricity • Students understand the impacts of different energy used to power our world • Students discuss the political and social solutions (systems change) to increase agency and empowerment
Excursion Success Criteria	<ul style="list-style-type: none"> • Students understand what the carbon cycle is and how it has changed, leading to climate change • Students understand the importance of decreasing fossil fuel use for the health of the planet • Students understand that renewable energy sources (such as wind, solar PV, solar thermal, hydro and biogas) can be harnessed to generate electricity and are important for preventing fossil fuel use and climate change • Students understand our reliance on ecosystems, and that our activities and behaviours impact them and the living and non-living things within them.
Curriculum Links	Victorian Curriculum Links - Click Here





Pre-Excursion Activity

Warming up for your visit to CERES

[Watch the documentary, 2040 with your students prior to your visit to CERES](#) (highly recommended)

If you are unable to view the entire documentary, we strongly suggest you view the trailer before your excursion.

Documentary is now available to all teachers through clickview.com.au (FREE).

[Turning in to 2040 Activity](#) (optional)

Support student learning by completing this Cool Australia lesson based on the documentary 2040.

[Climate Change Informative Video](#) (optional)

Learn about the effects of greenhouse gases on our earth with this short video.

Post-Excursion Activity

Recommended Lesson

[Your Climate Superpowers](#)

Explore your Climate Superpowers, make them even stronger, and use them at home, in your community and beyond!

Additional lessons to support learning

[Ecological Footprint Calculator](#)

Use this calculator to calculate your ecological footprint and find out how many planets we would need if everyone lived like you.

[Electricity Map](#) and [NEM Watch](#)

Investigate how different forms of energy are used on a global scale by looking at different locations across the globe. How do the different states in Australia use energy?

