

Red Hill Waste Management Facility

Pre Excursion

Activities



Red Hill Waste Management Facility is located 12 kilometres north east of Midland on Toodyay Road. The site sits on 351 hectares and uses modern techniques and principles of sanitary landfill design.

The excursion at Red Hill Waste Management Facility will include a tour of the site looking at current landfill practices and hands on interactive activities in the Education Centre.

Pre excursion material/ideas

You may be interested in engaging your students with waste through some pre-visit activities to get them thinking about what waste is, its impact and what they can do to reduce it.

Activity ideas and website links

- Define what waste is as a class. Extend by looking at biodegradable versus non-biodegradable waste and where the most waste is created at school and at home.
- Research how waste breaking down in landfill creates methane gas and leachate. To extend, look at the potential impacts to the atmosphere and groundwater if it is not managed correctly.
- Watch The Story of Stuff which looks at how we make, use and dispose of the 'stuff' in our lives. <http://storyofstuff.org/movies/story-of-stuff/>
- Watch The Majestic Plastic Bag Mockumentary which shows the impact of plastic in the ocean as well as how litter can move through the environment. <https://www.youtube.com/watch?v=GLgh9h2ePYw>
- Calculate individual and/or class based ecological footprints to see how many Earth's would be needed to sustain the current way of life. http://www.wwf.org.au/our_work/people_and_the_environment/human_footprint/footprint_calculator/
- Cool Australia has great curriculum linked waste related lesson plans—look under the 'waste' topic. <http://www.coolaustralia.org/>
- Try to bring a waste free lunch on your excursion—reusable lunch boxes and drink bottles are much better than disposable bottles and plastic bags!

Eastern Metropolitan Regional Council

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Red Hill Waste Management Facility Post Excursion Activities



You may be interested in exploring waste further back in the classroom with a focus on making change.

Activity ideas and website links

- Audit your bins at school to see the waste you are producing. Waste Wise Schools has a Waste Audit toolkit available for teachers.
www.wasteauthority.wa.gov.au/publications/waste-wise-audit-toolkit
- Start up a compost bin/worm farm at school to stop food waste from ending up in landfill. These curriculum linked documents might help. http://www.wasteauthority.wa.gov.au/media/files/wws/worms_activity_guide_waste_wisev3web.pdf http://www.wasteauthority.wa.gov.au/media/files/wws/compost_chapter.pdf
- Begin paper recycling and co-mingled recycling at school.
- Explore the possibilities of having waste free lunches at school. As a class create sandwich wraps and discuss alternatives to single use packaging.
- Start a class waste reduction project. This could be adapted to the school.
- Take part in the EMRC Battery Collection Program if you have not already.
www.rgang.org.au/school-battery-recycling-program.html
- Accept the less waste to landfill challenge created by Wipe Out Waste where the class tries to only generate up to 300ml of waste a day. The resources are available on their website and we are able to provide the class with a mini bin. www.wow.sa.gov.au/less-to-landfill-challenge.html
- Make a pledge of something to reduce, something to reuse and something you will continue to recycle.
- Compare our waste management systems to that of another country. Explore different technologies being used.
- Work on becoming a waste wise school. <http://www.wasteauthority.wa.gov.au/programs/wws/>
- Take part in Plastic Free July activities at school <http://www.plasticfreejuly.org/> There is also a curriculum linked activity guide available at [http://www.wasteauthority.wa.gov.au/media/files/wws/Plastic Free July Guide.pdf](http://www.wasteauthority.wa.gov.au/media/files/wws/Plastic_Free_July_Guide.pdf)

Please do not hesitate to contact Waste Education at EMRC if you would like advice or assistance with any of the post visit activities. Contact (08) 9424 2271 or bronwyn.lee@emrc.org.au

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