

April 2012

Comment to
info@energy.edu.au

Articles from various sources from around the world and Australia.

Have you checked out our webpages recently?

We are slowly revamping the site – let us know what you think!
<http://www.energy.edu.au/new-website/index.html>

Looking for an energy topic lesson solution?

Our Moodle is up and running on our own website.



If interested please e-mail Hassan to gain your own login and password. Once registered you can register students to access assignments, research projects, assessments etc.
moodleadmin@energy.edu.au

6th May

Rosny College hosts the 2012

RACT Challenge

Hobart

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Whether you believe in Climate Change or not, you should visit CSIRO's recent trip to Antarctica.

Dr Steve Rintoul, CSIRO Research Team leader, recently returned from a scientific exploration on the Aurora Australis to Antarctica. During the trip his group studied the presence of Carbon Dioxide in the ice and the presence of Oxygen in the atmosphere. Of concern to the group also, was the changing density of sea water which was showing signs of becoming fresher. Glen Paul from CSIROpod, interviewed Steve Rintoul by phone on his return.

Transcripts of the interview are available from: [If you have trouble with the URL please copy and paste in webpage. Looking for climate clues in the Southern Ocean](#) | [Ship to shore: scientists return from Southern Ocean](#)

Karen Barlow, TV reporter for the ABC's Lateline, accompanied the group to Antarctica and filed a video report that can be downloaded from the ABC's webpage to your computer:

URL: <http://www.abc.net.au/lateline/content/2011/s3144955.htm>



The Soda Bottle Skylight

A recent addition to EEA's free lessons highlighted the solution some developing countries are using to bring sunlight into their homes. The lesson plan outlines both social and economical needs of these countries and how charities are striving to help them experience what we often take for granted.

Based around videos that can easily be viewed from the web, the lesson's worksheet urges the student to compare Australia's access to skylights to the cost of a soda bottle skylight. Reference is also made to the chemicals used to stop colouring of the water content that would reduce the efficiency of light.

URL: <http://www.energy.edu.au/new-website/Lesson-Ideas.html>

Imagine a world where windows are the powerful energy producers.



Dr Bissett from Flinders University has spent the last four years working to make this dream a reality.

"In a new building, or one where the windows are being replaced anyway, adding transparent solar cells to the glass would be a relatively small cost since the cost of the glass, frames and installation would be the same with or without the solar component," Dr Bissett said.

In the ecoNews article, Dr Bissett compares the process to photosynthesis where plants obtain energy from the sun.

URL: <http://econews.com.au/news-to-sustain-our-world/solar-cell-turns-windows-into-power-generators/>

Victor Harbor has been rated 3rd in Australia for Solar Energy.

The City of Victor Harbor has been listed as South Australia's leader in Solar household energy saving after two interstate rivals by Australia's Clean Energy Council. To read the full report URL: <http://www.cleanenergycouncil.org.au/cec/newsletters/MR-solar-data.html>



The Clean Energy Council are offering Primary School students and their teachers the

chance to experience first-hand the development of Australia's clean energy landscape at the main event on Friday 27th July. For registration information: URL: <http://forteachersforstudents.com.au/CEC-Education/clean-energy-week-t.php>

Clean Energy Council's educational page with links for Teachers and Students – links to downloadable worksheets etc. URL: <http://forteachersforstudents.com.au/CEC-Education/index.php>

Australian Education Resources for Teachers for Students contains lesson ideas and student activity sheets etc.

URL: <http://www.forteachersforstudents.com.au/>