



CAASTRO
ARC CENTRE OF EXCELLENCE
FOR ALL-SKY ASTROPHYSICS

CAASTRO in the Classroom

“How the Death of Stars gives Life to the Universe”

This talk will explain the life cycle of stars, with a focus on how stars turn simple hydrogen into the many different elements that we see today. Stars live for such a long time that we cannot follow their lives from start to finish, but by observing many stars in different stages of life we can piece together the complex puzzle and tell the story of their different lives. Join Paul as he explains the different types of exploding stars (supernovae); what sorts of elements they create and what they can tell us about the Universe.

You and your students are invited to get involved in this great adventure and join **Dr Paul Hancock** as he guides us through this rich tour of the Universe. This talk will cover topics mainly from the Cosmic Engine and Space and Astrophysics modules of the Physics Stage 6 Syllabus.

The session will run on **Wednesday 30th October 2013 1:30pm - 2:15pm**

There is no charge for schools to participate. Please register by completing the booking form at the bottom of the webpage):

<http://www.caastro.org/bookings>

You can learn more about our program at <http://www.caastro.org/citc> or by emailing citc@caastro.org

Dial in number on your videoconference unit (VMR): 601056104



Dr Paul Hancock is a research fellow at Curtin University working with one of the newest radio telescopes - the Murchison Widefield Array (MWA). He did his PhD at the University of Sydney where he became interested in radio transients (things that go bump in the night), which include supernovae and gamma-ray bursts, which occur when a massive star dies. He has used telescopes around Australia and in the U.S. to study these explosive events.