



# CAASTRO

ARC CENTRE OF EXCELLENCE  
FOR ALL-SKY ASTROPHYSICS

## CAASTRO in the Classroom

### “The Sounds of Space”

Everyone knows that space is a vacuum, and that sound can't travel in a vacuum. Most of the Universe should therefore be completely silent. But it turns out that the cosmos is full of sounds, many of which are louder and deeper than anything ever produced on Earth.

You and your students are invited to join Professor Bryan Gaensler as he explains how astronomers can measure the music of the cosmos, so that we can listen to sounds that were never meant to be heard. Your students are encouraged to chat with a professional astronomer and the author of the science communication book “Extreme Cosmos”, about the nature of the Universe, what it's like to be a scientist, and the tools that astronomers use to understand the deepest parts of space.

This talk will cover topics from the Space and Astrophysics modules of the Physics Stage 6 Syllabus, and is accessible for all parts and stages of the curriculum.

The session will run on:

27<sup>th</sup> March 2013 11:00 - 11:45am

There is no charge for schools to participate. Please register by completing the booking form on the DART website at <http://dartconnections.org.au/DART-excursions/the-sounds-of-space> (at the bottom of the webpage).

You can learn more about our program at <http://www.caaastro.org/citc>.

Dial in number on your videoconference unit: 521052654



Professor Bryan Gaensler is a former Young Australian of the Year, the Director of CAASTRO, and Australian Laureate Fellow at the University of Sydney. He uses telescopes to understand magnetic fields in space, and supernova remnants - the leftovers from the cataclysmic explosion that occurs when stars die.