



# CAASTRO

ARC CENTRE OF EXCELLENCE  
FOR ALL-SKY ASTROPHYSICS

## CAASTRO in the Classroom

### “The Secret Lives of Galaxies”

The Sun is one of 200 billion stars that live together in a large galaxy known as the Milky Way. And the Milky Way is just one of billions and billions of galaxies in the Universe. But where did all of these galaxies come from? What we have learnt is that galaxies are born, grow and evolve over cosmic time, but have a dirty little secret on how they got so big. In truth, our Milky Way is a bully and a cannibal, growing to its immense size by eating little galaxies that have strayed too close.

This talk will cover topics mainly from the Cosmic Engine module but also touching on the Space & Astrophysics modules of the Physics Stage 6 Syllabus. In general, it is accessible to science students from years 7 to 12. Your students are encouraged to chat with a professional astronomer about what it's like to be a scientist and the tools that astronomers use to understand the Universe.

The session will run on

10<sup>th</sup> April 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-secret-lives-of-galaxies?Back=False>.

You can learn more about our program at <http://www.caaastro.org/citc>.  
Dial in number on your video conference unit: 521052654



Prof. Geraint Lewis is a Welsh-born astrophysicist, who is best known for his work on dark energy, gravitational lensing and galactic cannibalism. He is a Professor of Astrophysics (Teaching and Research) at the Sydney Institute for Astronomy, part of the University of Sydney's School of Physics.