



# CAASTRO

ARC CENTRE OF EXCELLENCE  
FOR ALL-SKY ASTROPHYSICS

## CAASTRO in the Classroom

### “How do we measure how far away galaxies are?”

The distances of objects we see on the sky are not obvious. We'll talk about how the distances to these objects are measured – starting from stars and moving up to the vastly larger sizes of galaxies. This talk will explain how we measure the distance to galaxies that are billions of light years away!

You and your students are invited to join Professor Jeremy Mould as he leads a whirlwind tour of the Universe and its vastly huge scale. This talk will cover topics mainly from the Cosmic Engine and Space and Astrophysics modules of the Physics Stage 6 Syllabus.

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

Wednesday 26<sup>th</sup> June 2013 11:00am - 11:45pm

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/how-do-we-measure-how-far-away-galaxies-are> (at the bottom of the webpage).

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

Dial in number on your videoconference unit: 601056104



Professor Jeremy Mould is a Professorial Fellow at the University of Melbourne School of Physics. Over his career, he's worked in at least three continents and has been the Director of the US National Optical Astronomy Observatories. He currently works on the evolution of stars, and the distance to objects outside of the Milky Way.