



**Norwich Science
Olympiad**

**University of East Anglia
1 - 2 July, 2009**

Supported by

Engineering and Physical Sciences Research Council



Bayer CropScience

The Dulverton Trust

Geoffrey Watling Charity

The Norwich Town Close Estate Charity

Royal Astronomical Society

Programme of Events

9.30 - 10.00 Assembly

All Year Groups Lecture Theatre 1

10.00 - 11.30 Practical Competitions

Year 7 School of Biological Sciences

Year 8 Congregation Hall

Year 9 School of Environmental Sciences

Year 10 University House

Year 12 School of Chemical Sciences and Pharmacy

11.30 - 11.45 Break

11.45 - 12.45 Practical Competitions

Year 8 School of Biological Sciences

Year 12 School of Chemical Sciences and Pharmacy

Frank Halliwell Memorial Lecture

Years 7, 9 & 10 Lecture Theatre 1

12.45 - 13.30 Break

13.15 - 14.45 Practical Competitions

Year 7 Congregation Hall

Year 9 University House

Year 10 School of Environmental Sciences

Frank Halliwell Memorial Lecture

Years 8 & 12 Lecture Theatre 1

14.45 - 15.00 Break

15.00 - 15.30 Assembly

All Year Groups Lecture Theatre 1

Frank Halliwell Memorial Lecture

The Universe Unveiled

Dr Robin Catchpole, Institute of Astronomy, Cambridge University

The lecture takes us on a tour from the Solar System to the edge of the Observable Universe. Light is the messenger. It tells us what things are made of, and, because light travels at a finite speed, it allows us to look back in time, as we look deep into space. On the journey, we shall see, how and where stars are born, how they die, what happens when galaxies collide, why we think there is more dark matter than ordinary matter, and how the ultimate fate of the Universe is controlled by something mysterious called vacuum energy.

Top Class Grand Final

The Grand Final of *Top Class* and the presentation of medals and prizes will take place in Lecture Theatre 1 during the evening of Thursday, 2 July, starting at 7.30 pm. The Grand Final will involve the two classes that have won through the previous rounds over the Internet during the last few weeks.

All participants and their families are warmly invited to come. You will enjoy a very colourful active stage show.

Lunch

All participants may use the various cafeterias on the campus. Packed lunches may be eaten in the University Square. In the event of rain, please, use University House.

Temporary Storage of Equipment

Any equipment may be stored temporarily in University House, Room 0.11 on the Ground Floor.

Medical Facilities

Medical facilities are available in the Health Centre. See the map overleaf

