



Hinchbrook School

Inspiring excellence Fulfilling potential
A DfE Academy with a Specialism in Sport

27th September 2013

Dear Parents, Carers and Students,

Science Talk – Thursday 10th October

Hinchbrook School Science Department is pleased to announce the inaugural Science Society talk on Thursday 10th October at 7.00pm in the Hinchbrook House Library.

The visiting speaker is Dr Cahir O'Kane from the Dept of Genetics, University of Cambridge, who will be presenting a talk on genetics. The talk is primarily aimed at year 10 and 11 and A level students. However, anyone with an interest in genetics is welcome to attend.

The title of the talk is "Secrets and flies: seeing ourselves in the fruitfly *Drosophila*". The fruitfly has been used throughout the 20th century to study many of the basic principles of genetics. It has equivalents of most of our genes, and many of the same cell types, including neurons, muscles, and epidermal cells. The fly can even suffer from similar diseases to humans in some cases, and be used as a model of how human cells function, both in health and disease. The lecture will illustrate how flies can be used, what they are good for, their limitations, and some of the discoveries that have been made about neurodegenerative diseases using flies.

As the talk is being held in Hinchbrook House library, places will unfortunately be limited. If you would like to attend please contact Laura Davison, the Enterprise and Enquiry Directorate Administrator by phone on 01480-375700 Ext 5820 or by email at LJD@hinchbk.cambs.sch.uk to book your place.

We look forward to seeing you on the 10th October.

The Science Department