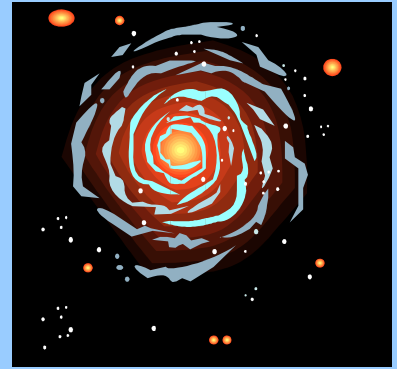


The Royal Society of Edinburgh  
'Talk Science' School Visits



## Black Holes and Small Bangs

By Professor Alan Heavens

What happens in a star? Big stars are in delicate balance, kept alive by a big nuclear reactor in the middle. But what happens when the fuel runs out? Some stars don't take it very well, and explode violently in a supernova explosion. Others may collapse dramatically into a Black Hole. Here we explore the strange properties of curved space around Black Holes and dip our toes into wormholes, time travel and the physics in the movies.

The talk is suitable for 11+ pupils.

Professor Heavens is Professor of Theoretical Astrophysics at the University of Edinburgh. His research interests include exploring the properties of the Universe using light bending, the fireball radiation of the Big Bang, and the formation of galaxies.

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### Curriculum Links

- 5-14 Science: Earth and Space
- Standard Grade Physics: Space Physics