



# It is rocket science!

UK Aerospace Youth Rocketry Challenge

**Calling all rocket scientists!  
Fancy an eggciting challenge?**

Win a trip to the USA rocketry finals plus a share of  
**£10,000 value prize for your school!**

## It's eggstraordinary!

The purpose of the challenge is to teach students aerospace science by having them design and build a safe and stable model rocket that lifts a fragile payload (one raw egg) to exactly 850 feet and has a flight duration of exactly 45 seconds, at the end of which it returns this payload to back to earth safely and undamaged.

## UKAYRoC

This thrilling competition was first developed in the USA. It's now in its fifth year there, and is the largest rocket contest in the world. In the 2006 event, 678 teams from 47 states took part.

Now we're launching a similar challenge in the UK. It is conducted during each school year starting in October, leading to a competitive face-to-face fly-off for the final prizes among the top 10 teams nationally. This will be held on April 13th 2007. And they could win a share of the £10,000 value prize for the school plus a trip to the USA for the team to attend the USA finals!



# It is rocket science!

UK Aerospace Youth Rocketry Challenge

**Calling all rocket scientists!  
Fancy an eggciting challenge?**

Win a trip to the USA rocketry finals plus a share of  
**£10,000 value prize for your school!**

## ...The Team

- Can have 3 to 5 students from ages 11-18.
- Must be sponsored by a state or independent school, home school association, or non-profit youth group
  - Must be under the supervision of an adult from that school or group
- Teams will have access to mentors from the UK Rocketry Association (UKRA) to assist with the challenge.

## ...The Rocket

- Must be made of non-metal materials (e.g. balsa, paper, plastic)
- Must weigh no more than 1.5kg at lift-off
- Must use commercially made, UKRA safety-certified model rocket motors (available from model shops and rocketry suppliers)
- Altitudes are determined by a small, accurate commercially-made electronic barometric altimeter carried within the rocket, and read after the flight.

## ...The Challenge

Is sponsored by Tri Polus, the Farnborough Aerospace Consortium and Space Connections on behalf of UK's aerospace industry and the UK Rocketry Association.

## ...To Enter

For further information and to download the registration form go to: [www.UKAYRoC.org.uk](http://www.UKAYRoC.org.uk)

Closing date for entries is **1st December 2006.**

Hurry as **ONLY** the first 40 teams will be eligible to participate.

Visit [www.ukra.org.uk](http://www.ukra.org.uk) for information about the UK's largest sport rocketry organisation.