



We are now in our tenth season and the Challenge continues to gain in popularity year on year. It has consistently grown in stature in both Primary and Secondary schools throughout the U.K. and is now recognised as being one of the most engaging projects of its kind. Literally thousands of students are enjoying mathematics as a result, some for the very first time in their lives!

Harnessing the excitement and expectation of motor racing, the Challenge enables participating schools to involve students at most ability levels. It will encourage them to discover how much fun a basic knowledge and understanding of mathematics can be, not to mention an asset for life!

We hope you will want to join in this fun too and help us all to get involved and raise standards in mathematics!

If you need further information, please contact:

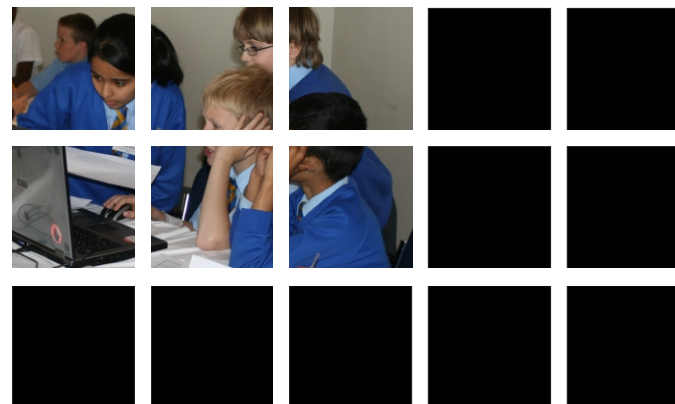
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JAGUAR

THE JAGUAR CARS MATHS IN MOTION CHALLENGE FOR SCHOOLS



PRIMARY

**MOTIVATION
& FUN**

**BASIC
MATHS
SKILLS**

**TRANSITION
YEARS**

TEAMWORK

**STEM CLUB
MOST
ABILITIES**

**FUNCTIONAL
MATHS
SKILLS**

**RAISES
MATHS
AWARENESS**

**REAL LIFE
CONTEXT**



What is the Challenge about?

Using a computer based simulation linked directly with some practical mathematics, students have to work together in small teams, over a period of time, trying to win a series of races against their classmates. They use basic mathematics and a whole lot more besides! The Challenge is to get through the regional heats and reach the National Final - and to substantially raise achievement levels in mathematics along the way! Students could even get a Bronze CREST Award!

Who can take part?

All U.K. primary and secondary schools are eligible to take part. We have Challenges for three age ranges (all as at 30th September 2010):-

Age Range 1: Any pupil of Primary School age (exc P7)

Age Range 2: Any pupil in years 7, 8 and 9 & P7,S1/S2

Age Range 3: Any pupil in years 10 and 11, S3/S4

OUR CURRENT CHAMPIONS



Hatherton Primary School
Primary Champions



Bay House School
KS3, P7, S1/S2
Champions



Chatham House Grammar
KS4 -S3/4 Champions &
Overall Winners

There is a list of the schools that have already registered to take part on our website if you are interested in some local rivalry! It reached just under 1,000 last year!

What Maths is covered?

There is an extensive document on our website for KS2, 3 and 4, Primary 7, S1 and S2. Boys and girls are given the opportunity to develop and reinforce their basic skills in mathematics, over a range of levels, and will need to use or touch upon:

Percentages, multiplication, division, calculators (or not!), decimals, rounding, understanding context, ratios, chance, risk, angles, measurement, scale, speed, distance, time, mean, maths modelling, interpreting graphs, statistics, Functional Maths skills, engine tuning, aerodynamics, suspension and gears!

There are many opportunities for cross curricular work including Science, Technology, Engineering, Art and English, within the maths based topic.

How does it all work?

You will work through the practical maths, using the circuit plans of REAL race tracks. This information is then input into the computer and added to the decisions you make concerning the 'setup' of your virtual car. At the appointed time, you race against all the other cars (teams) in the class and someone will win! It will create lots of fun and excitement and a determination to do better the next time you race! The more races you have the more competitive your 'cars' get (and the better you get at mathematics!).

The Challenge is run through a series of knockout races, based on Local Authority boundaries, to see who takes part in the National Final in June 2011. A Primary school can take part either in its own right or as a partner to a Challenge Lead Centre. A Lead Centre undertakes to organise and run a transition years project with at least two of its partner/feeder schools, and to act as the link between itself and those schools. Many Primary schools have used the Challenge to engage disaffected students and to stimulate the Gifted and Talented.

Everything is done either in your school or via email with the exception of the National Final.

In-School **LA Winners** **Semi** **Finalists** **National**
Champions **Announced** **Finals** **Announced** **Final**
Feb/Mar 2011 **March 2011** **May 2011** **May 2011** **June 2011**

There will also be Summer 2010 and Christmas 2010 'Fun' races

Is training available?

Although training is not necessary for you to take part in the Challenge, many teacher training days are being run during 2010/11 for those who want it. The venues and dates will be shown on our website. If you would prefer to run a course in your own school for your staff (or your students) please contact us for details. These days are VERY popular - just look at our website!

What software do we need? How much is it?

As a participating school, you will be entitled to purchase the software at a Challenge discounted price, as per the enclosed Order Form. Once you have completed the Order Form you can either fax it back to us or post it to us, with your School Purchase Order. We will send you your copy of the software, with an invoice, through the post.

If the Order Form has been misplaced, please email us and we will send you a copy of it as soon as possible.