

## **Mathematics Department Articles for Chigwellian 2008-2009.**

### **Mathematics Challenges**

In the Junior Mathematics Challenge (JMC) we are very pleased to report that 17 pupils from the third and fourth forms were awarded Gold certificates, 26 received Silver and 27 were awarded Bronze certificates. We believe that this is the highest number of certificates achieved by Chigwell School since our participation in this competition, which began approximately twenty years ago. The best score was achieved by Jonathan Robson (109) who, with this highly impressive score, qualified for the Junior Mathematics Olympiad. Individual Gold certificate winners are listed at the end of this report.

In the Intermediate Mathematics Challenge for pupils in removes, lower and upper fifth we managed to gain 10 Gold, 21 Silver and 47 Bronze certificates. This was again a very pleasing outcome. The best score was achieved by Aman Chopra from the upper fifth and Tiffany Shum, with a score of 87 qualified for the follow up competition. In the removes Jamie Parman finished with the best score of 51 and was therefore the only recipient of a Silver certificate. Other Gold winners were Ben Hiam, Alasatair Morton, Sam Dooley, Sam Silver, Gabriel Inch, Oliver Good, Anthony Koczan and Thomas Steward.

In the Senior Mathematics Challenge for students in the upper fifth and sixth forms we were awarded 41 certificates in total with 11 Gold, 11 Silver and 19 Bronze. Across the country well over two hundred thousand pupils participate in this competition and only the top 6% are awarded a Gold. The best performances in the middle sixth came from Xiaoqian Lin 105 (best in school), Jan Indracek 101, Qiaoyi (Joe) Zang 100, David Jones 80 and Andrew Liddell 79 who were all awarded Gold certificates. In the Lower sixth Egor Tsiaulouski scored the highest mark with 91. Other Gold awards went to Yunlin Cheng 90, Alina Jelamschi 90 and Ronnie Tyler 78. In the upper fifth both Adrian Leibovitch 80 and Alastair Morton 74 were also able to reach the Gold standard which was an impressive achievement given that they are two years below the maximum age.

Other JMC Gold certificate winners were; Sam Harris, Sam Smith, Zach Bacon, Kirthana Selvakumar, Georgina Holford, James Botcher, Katie Marshall, Albert Padfield, Connor Marcelis, Alex Green, Matthew Scudder, Lauren Drabwell, Kabil Kumararajan, Manraj Singh, Lucas watts and James Mulholland.

### **The Hans Woyda Inter-Schools Mathematics Quiz**

The Chigwell School Mathematics Quiz team comprising Xiaoqian Lin, Egor Tsiaulouski, Alastair Morton, Ellie Shum and Marianne Schonle, performed well again this year (though not quite as well as last year) to reach the semi-finals of the Plate section of the Hans Woyda Inter-School Mathematics competition. They beat local rivals Ilford and Bancroft's but lost out to Forest in a fairly close contest. This meant that they qualified for the Plate section of the competition (for teams that come second in their local group) where they continued in winning ways with a victory over Channing School.

In the Plate semi-final against Merchant Taylor's school, the team performed very creditably but eventually lost out to another strong team. My thanks to all team members for all of their efforts.

## **Mathematics at Oxford University**

We have been very pleased in the mathematics department, for several years now, with the number of our pupils who have managed to gain places to study mathematics at Oxford and Cambridge Universities. In recent years of course, Chris Thorn was the outstanding student gaining a place at Pembroke College Cambridge.

This year has been no exception as two of our very best students, Xiaoqian Lin and Joe Zhang have been offered places at St Peter's and Queen's College Oxford respectively. Both Lin and Joe joined the school at the beginning of the sixth form and quickly demonstrated a strong interest in the subject. They were then able to gain help with the Oxford University mathematics entrance examination and interview procedure which resulted in the offer of a place. With regular Oxbridge mathematics lessons conducted for the current lower sixth form we hope that this tradition will continue for many years to come.

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