

## **Maths and Science Specialism**

What does this mean for the school and, more importantly, our students? The new specialism means we have the scope to make successful departments even better, using the extra funding and previous experience to embark on new initiatives and programmes of study that will suit our young mathematicians and scientists.

We intend to recruit more high quality staff in both Maths and Science and to broaden the curriculum in those areas. We also want to extend and strengthen the links with our partnership schools by using our specialist staff to support their non specialist staff, sharing ideas and experience and offering challenging opportunities and joint programmes to stretch the minds of all the young children in our community. We shall be offering master classes for students from years 5 to 8 and MathLand and Scienceland days to ease the transition from junior to senior school.

In addition we will offer support sessions to parents who find it difficult to understand their children's Maths and Science homework.

As well as investing time and resources in our feeder schools we will create stronger links with industry which will underpin our new vocational and applied Science courses. Representatives from industry will be invited to speak to our students to bring the work place into the classroom and provide a realistic backcloth to our vocational and applied courses.

Built into the curriculum will be classes devoted to 'Science for Science sake' where the focus will be on the practical, no boundaries approach, thus instilling in the pupils a much needed sense of excitement in the subject.

Watford Football Club has a Maths Academy which promotes the practical application of Maths and we shall be looking to extend our involvement with the club as part of our commitment to the community.

We believe that that this second specialism will not only allow us to offer our students a richer learning experience but will bridge the gap between Art and Science, offer unique opportunities in Maths and Science and enable us to address more easily each student's individual educational needs.