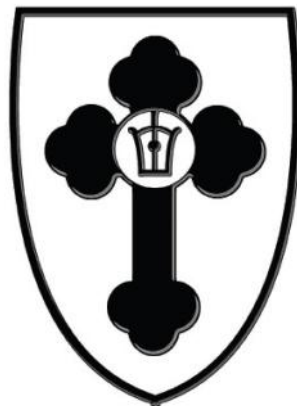


SCIENCE

**WILLIAM BROOKES
SCHOOL**



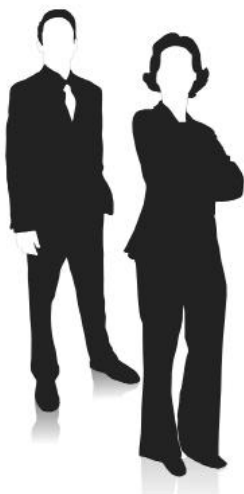
SCIENCE

**Parents' Science Guide
2009 - 2010**



AIMS

- To provide a stimulating and enjoyable experience of Science.
- To help our students develop their scientific knowledge, using a variety of teaching approaches.
- To encourage students to communicate this knowledge via a range of approaches such as oral and written work, posters and models.
- To introduce students to topical scientific developments in, for example, genetics and energy conservation.
- To develop students who are confident in their scientific skills and so can use them in familiar and unfamiliar situations.
- To provide a sound basis for students who wish to pursue their studies further



SCIENCE Staff:

Ms M Lacey
Head of Department
Biology
Mr A Pyle
Curriculum Co-Ordinator
Physics
Dr R Morgan
Assistant Head of Department
Chemistry
Mr G Renwick
Chemistry/Physics
Co-Head
Ms L Creatorex
Physics
Mr S Tough
Chemistry
(and KS4 Learning Man-

ager)
Dr D Hearle
Biology
Mrs R Keen
Biology
Ms K Macgill
Principal Science Technician
Mrs M Harris
Science Technician
Mr A Parkes
Science (and P.E)
Mrs A Vicente
Teaching Assistant



CURRICULUM

- All students in Years 7 to 9 follow National Curriculum Science Key Stage 3.
- In Years 7 and 8 students are taught in mixed ability groups.
- Some setting takes place in Year 9 as students prepare for National Curriculum tests.
- At Key Stage 4, students are following a new GCSE course – OCR 21 Century Science. A small group of students study Single Award Science. 2 group of students follow a triple science course.
- The department offers AS and A2 Levels in Biology, Chemistry and Physics.

A wide range of events occur throughout the year. These have included:-

- Participation in the Shropshire KS3 Young Scientist of the Year Award.
- Environment Week, including visits for Year 9.
- Year 7 Survey of the litter in school and can collection.
- Engineering Education Scheme for Sixth Form students in partnership with Ricoh.
- Campus duty to develop responsibility and citizenship skills.
- Year 8 Forensic Science Week.
- Sunflower growing competition.
- Science club where students can gain a broader experience of Science.

Accommodation & Resources

- * We have seven well equipped specialist laboratories and a preparation room.
- * A new laboratory was opened in 2002.
- * There is a large garden, pond and greenhouse facilities.
- * Thanks to the generous support of Ironbridge Power Station we have a Video Microscope.
- * We have lap-top computers to support ICT activities and an interactive whiteboard.
- * All Year 7 and 8 students are involved in the Cognitive Acceleration through Science Education (CASE) project



SCIENCE