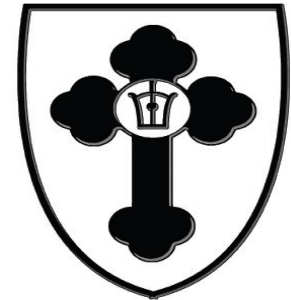


# SCIENCE

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**William Brookes  
School**



**SCIENCE**

**Parents' Guide  
2010 - 2011**



## 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.

## 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.
- At Key Stage 4, students are following OCR 21st Century Science. A small group of students study Single Award Science. 2 groups 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:-

- Science club where students can gain a broader experience of Science. Including STEM challenges and CREST awards
- Salters Festival of Chemistry
- Science week activities and competitions
- Make-it molecular challenges
- Engineering Education Scheme for Sixth Form students in partnership with Ricoh.
- Year 8 Forensic Science Week.
- Sunflower growing competition.
- Feeder school Science challenge event.

## Accommodation & Resources

We have a large and flexible workspace which includes:

- 4 Specialist laboratories and a preparation room
- 4 studio spaces, used for demonstration experiments
- 4 Zen rooms for small group work.

A ranges of ICT resources including interactive whiteboards, PSPs for video recording and photos. Laptops for research and presentations. Data harvest data logging equipment for remote sensing and graphical display. Visualizers for sharing student work and close examination of artefacts.

### SCIENCE Staff:

**Ms M Lacey**

Subject Leader  
Biology

**Dr R Morgan**

Assistant Subject Leader  
Chemistry

**Mr I Pickles**

Physics

**Mr G Renwick**

Chemistry/Physics  
*also Co-Head*

**Mrs R Bennett**

Biology

**Mr F. Tough**

Chemistry  
*also House Leader for Sydney*

**Dr D Hearle**

Biology

**Mrs R Keen**

Biology

**Mrs N. Jones**

Biology/Chemistry

**Mr A Parkes**

Science

*also PE*

**Ms K Macgill**

Principal Science  
Technician

**Mrs M Harris**

Science Technician

**Ms A Vicente**

Teaching Assistant

