

Welcome to Science at Bemrose School!

Area Aims:

We aim to help all our students to enjoy science, becoming more able in experimental skills, communication of scientific understanding and fulfilling their academic potential.

Current Situation:

The science staff are an experienced group who contribute to the learning of all students at Bemrose. The team consists of 7 full-time teachers and two technicians. The teachers currently include 3 chemistry specialists, 3 biology and 1 teacher with a joint specialism in biology and physics. Our technicians are experienced and able, and they contribute enormously to the progress of the area.

Over the last few years we have fostered a real sense of ambition in science amongst our students, and results have risen to reflect this.

The area is committed to enabling our students to progress through a wide range of teaching methods. While having a strong focus on practical science we also encourage the use of ICT, creative processes and kinaesthetic learning to enhance understanding of, and enthusiasm for, science. We are fortunate to have fitted smart boards and ceiling-mounted projectors in each of the science rooms. In addition, our superb ICT technical staff keep us supplied with student laptops, digital video cameras and visualisers when we need this equipment for our teaching.

We are keenly incorporating AfL into our teaching, and currently we are developing materials to enable assessment using APP levels.

Our large and extremely well stocked prep room contains an enormous variety of resources, from skeletons to vacuum pumps! Our technicians are very supportive as we develop new experiments and experiences for our students. A high percentage of our lessons involve student experiments, and the prep room is a very busy place. The “dry” area is packed with schemes of work and an area for each teacher to work.

Within the area all teachers deliver lessons across KS3 and KS4. At KS3 we deliver a balanced course of science by topic, incorporating biology, chemistry and physics. All students at Bemrose study science to the end of year 11. This means that we differentiate our teaching for the wide variety of students in the school and work closely with our various specialist support areas, including ERF and G&T, to enable every student to develop as a scientist. At KS4 we have a range of courses to best suit the needs and aspirations of individual students.

Our most scientifically ambitious students follow the triple science route, with each of the science subjects being taught by specialists to extend them to the highest levels.

The majority of students follow the route a trilogy of science in years 9, 10 and 11

At KS5 we offer a vocational course level 3 diploma in applied science. Class sizes are small and students are eager to learn.

Our future:

We are excited as we look forward to developments within science teaching, incorporating APP, the further developments of the KS3 scheme of work and the development of new KS4 syllabuses.