



MARLING SIXTH FORM

Downfield Road

Marling Diamond: BIOLOGY & CHEMISTRY



Medics, Vets and Dentists

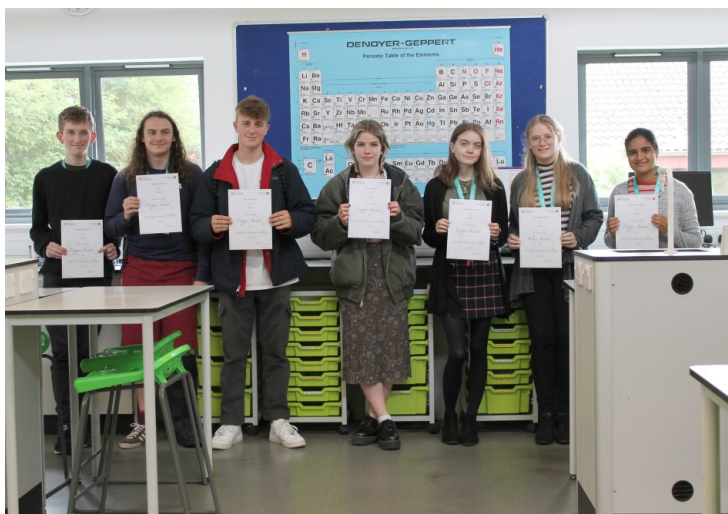
Students aiming for a medical career have bespoke support to help them make a successful application.

Marling Sixth Form runs a dedicated programme for students who want to apply to study medicine, veterinary science or dentistry at university. Working with the University of Bristol, the programme provides advice on UCAT and BMAT preparation, work experience, personal statement writing, course choices and interview preparation. We also have a well-established MEDSOC (Medical Society), as well as Dissection and Microscopy Clubs, which many prospective medics, biomedics, vets and dentists attend.

'Whilst at Marling, MEDSOC gave me many opportunities to develop confidence discussing medical issues and insight into the medical profession. This helped me to appear and feel confident at my medical school interview when discussing medical scenarios. At medical school I am now actively involved in multiple medically-related societies and feel that my time with MEDSOC helped me to develop the skills and confidence I needed to apply for these roles.'

Ben Geers, University of Manchester Medical School

Marling Chemists Receive Cambridge Challenge Awards



Thirteen A Level Chemists entered the Cambridge Chemistry Challenge. Two received Silver Award for being in the top 20% and six received the Copper Award for the top 33% of 7000+ entrants. A brilliant achievement for all those who took part and achieved an award.

University-Level Equipment

Chemical analysis workshops offer chemistry students the opportunity to use cutting-edge, university-level equipment such as the IR Spectrometer (FTIR) and Mini Gas Chromatograph to develop their understanding beyond the A Level syllabus.

'Using this equipment means we are more precise in our analysis of organic compounds. For example, we are able to test for the change of a compound in a reaction to check we have achieved the correct synthesis.'

Oskar Cocks-McCracken, Mathematics student at the University of Warwick

Microscopy Club



A water flea 'Daphnia' through a light microscope

A Level students and those attending the Microscopy Club are able to use high-quality light microscopes to take their knowledge of microscopy to a level above that normally developed in the classroom. The Bluetooth-enabled microscopes allow images to be viewed on smart phones or iPads, thus enhancing the potential for exploration and learning.

Dissection Club

'Dissection Club runs fortnightly in the science department and is a brilliant way to learn more about animal physiology beyond the A Level specification. Last year the dissections included a pig's uterus and an entire frog, where we could see how organ systems work together to enable an organism to function. When we dissected a cow's heart, we could see the different muscles and valves that enable it to pump blood around the body. The club is both academic and fun so I thoroughly enjoy it.'

Ben Robinson, Engineering student at the University of Oxford