

# BODMIN COLLEGE

**SCIENCE DEPARTMENT**

**TEACHER OF SCIENCE**

Thank you for your recent request for further details for this post. We anticipate that the successful candidate will have a strong academic background, a passion for the subject and be keen to teach all age groups and abilities. The post is for general science teaching but it would be an advantage if applicants could teach Applied Science. **Please outline your strengths and interests in your application**.

The department is actively involved in a range of exciting developments. We work closely with our primary partner schools in bridging activities and gifted and talented programmes. At Key Stage 3 the department has developed its own innovative two-year curriculum based on the Edexcel syllabus in preparation for a 3 year GCSE curriculum. **In terms of Key Stage 3, your views on the curriculum and the assessment of pupil progress are of particular interest**.

The department has run separate sciences as a GCSE option for many years and results have historically been in the region of 85% A\* - C. The course is always fully subscribed and its popularity is clearly linked to the enthusiasm for Science engendered at KS3. We use Edexcel GCSE Science qualifications for both the combined science and separate science routes.

As we enter the next phase of development we are looking for staff to show enthusiasm, imagination and a dynamic attitude to build upon this solid foundation. We have a history of excellent Key Stage 5 provision, with classes in Biology, Chemistry and Physics A levels and in BTEC level 3 Applied Science and are looking for candidates who are keen to become part of this team**. Part of the job will be to raise enthusiasm for science and encourage uptake at GCSE and at post 16. Creative approaches to teaching and learning are central to our success and your ideas on how you can contribute to this and enhance it will be of interest.**

We are always trying to release the potential in our staff, identifying their strengths and encouraging them to share great practise throughout the school. This could be in areas such as: growth mindset, effective questioning, independent and online learning, effective feedback and assessing progress. **Your views on teacher –student communication and how this leads to better learning will be of interest.**

Bodmin College has run a STEM club for a number of years and various departments have been involved in allowing students to complete exciting projects linking science, technology and computer science. Both a quadcopter project and our VEX robotics team have displayed their work at the national Big Bang fair at the Birmingham NEC. These projects are particularly useful at giving a forum for student leadership and cross key stage collaboration. **Your views on how STEAM (previously STEM) initiatives and student leadership can foster a more creative environment for students in Science will be of interest.**

We are particularly keen in developing extracurricular links. For example, our Physics department runs a bi-annual trip to visit the LHC at CERN in Geneva, we run trips to the big bang fair amongst others and we have well established links with Exeter University. We have a successful track record of students going on to study at Russell Group universities and more recently at institutions in the USA. **We would like to hear of anything that you can do to bring your own interests into the classroom, or beyond.**

Mr B Douglass

Head of Science Faculty

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