



CANDIDATE PACK – SCIENCE

Direction of Developments

The Science team consists of five full time members of staff and a part-time Science with backgrounds from all disciplines of Science. This provides for a dynamic that has proved successful in the development of new ideas and has taken the team through the significant changes in the Science curriculum in recent years. Two full time technicians support the delivery of Science.

How we work as a team

There is close co-operation in the planning and delivery of the schemes of work in all years. Significant steps have been taken to address the teaching and learning agenda that has been a focus at the heart of development within the college. The team has made it a priority to share good practice and ideas that have come from training and personal innovation. Healthy debate on issues surrounding the teaching of Science is a common feature of team meetings.

Course Programmes

The schemes of work in years 7 is being developed by the science team to focus on a 'precise planning model' that emphasises the development of knowledge and understanding alongside the application of science. Year 8 is currently based on the OUP published materials 'Activate' and has been personalised to Crookhorn students by our Science staff. Emphasis has been placed on allowing the opportunity to develop scientific investigation skills, mathematical skills, and the embedding scientific terminology as well as scientific theory. Students find our year 7 and 8 course engaging and as a result we have a successful record of adding value in these years

At in years 9 to 11 we are delivering the AQA specifications and have two pathways that students can follow. The majority of students complete Combined Science: Trilogy, which covers all three of the Science disciplines. Students who excel in Science in years 7 and 8 and who show an exemplary attitude to learning are given the opportunity to complete the triple Science pathway. This specification is stimulating, exciting and allows students to fully engage in the practical aspects of Science.

Resources

The Science faculty at Crookhorn is based in seven laboratories serviced by two preparation areas. Each teacher has their own laboratory which are all well-resourced with the essentials required for teaching Biology, Chemistry and Physics at a practical level. Overall resourcing is excellent within the department thanks to a structured timetable of maintenance and renewal of older equipment and the technicians are always happy to advise on new and innovative practical ideas

Professional Development

The Science department has always maintained a stable team, those who have left in recent years have moved on to further promotion, having gained relevant experience from the excellent staff development programme offered to all staff at Crookhorn.

Crookhorn offers a full and well established professional learning programme. The college encourages career progression and some staff at present in the department have been promoted within the college.