

<b>Title of Course</b>	Chemistry		
<b>Level</b>	A Level Chemistry	<b>Examination Board</b>	OCR
<b>What the subject is about</b>	Chemistry is concerned with the substances in which matter is composed, the investigation of their properties and reactions, and the use of such reactions to form new substances.		
<b>What you will learn</b>	<p>The course covers a broad range of the field of Chemistry:</p> <ul style="list-style-type: none"> <li>• Topic 1: <i>Chemistry for Life</i></li> <li>• Topic 2: <i>Chemistry of Natural Resources</i></li> <li>• Topic 3: <i>Chemistry in Practice</i></li> <li>• Topic 4: <i>Chemistry of Materials</i></li> <li>• Topic 5: <i>Chemistry by Design</i></li> <li>• Topic 6: <i>Chemistry Individual Investigation</i></li> </ul> <p>Learners study chemistry in a range of different contexts, conveying the excitement of contemporary chemistry. The course provides a distinctive structure within which candidates learn about fundamental physical concepts and about Chemistry in everyday and technological settings. Practical skills are embedded within the specification and learners are expected to carry out practical work in preparation for a written examination that will specifically test these skills.</p>		
<b>How you will learn</b>	Through a range of methods and opportunities, including individual and collaborative learning, there will be a range of opportunities to engage with experiments in order to enhance understanding and also to develop investigative skills and techniques.		
<b>Independent learning</b>	Throughout the course independent learning is fostered, and you will be expected to review and extend learning that takes place during lessons. Through the first module independent learning skills are explicitly taught, including effective note-taking, research skills. Advice is given throughout the course. In addition, there will be an opportunity for you to complete an Extended Project Qualification (EPQ).		
<b>Coursework and Examination Information</b>	<p>There will be three written exams at the end of the course:</p> <ul style="list-style-type: none"> <li>• <i>Paper 1 –Periodic table, elements and physical chemistry - assesses topics 1,2,3 and 5 and consists of 37% of the A-level</i></li> <li>• <i>Paper 2 –Synthesis and analytical techniques - assesses topics 1,2,4 and 6 and consists of 37% of the A-level</i></li> <li>• <i>Paper 3 –Unified chemistry - assesses all units and consists of 26% of the A-level</i></li> </ul> <p>In addition, you will complete a number of core practicals throughout the course which will cover specific skills and techniques. These will be assessed through the examinations outlined above and also through teacher assessment of your skills, techniques and competency when completing practical work. This will provide you will a Practical Endorsement pass, alongside your A Level grade.</p>		
<b>Your future career</b>	Chemistry helps you to build up research, communication, problem solving and analytical skills. Chemistry is a key subject for lots of STEM careers, including: Analytical Chemist, Chemical Engineer, Healthcare Scientist, Clinical Biochemistry, Forensic Scientist, Pharmacologist, Research Scientist (physical sciences), Toxicologist.		
<b>Staff Contact</b>	Mr Jon Searle Leader of Learning Science Jon.Searle@uaesouthbank.org.uk 020 7277 3000	<b>Entry requirements</b>	5A* - C grades including Grade 5 in Maths