De La Salle School Science Curriculum Year 11

Year 11 Term 1	Year 11 Term 2	Year 11 Term 3
Topics to be taught: **Chemical & Energy changes Homeostasis & Response Forces Inheritance, Variation & Evolution Rates of reaction Waves	Topics: Ecology Organic Chemistry Electricity & Magnetism	Topics: Chemical testing Chemistry of the atmosphere Using Resources
Essential Knowledge, Skills and Understanding		
Students will build on previous knowledge and expand their understanding through final topics of Biology, Chemistry and Physics. They will access all the skills developed through previous years to access the further content of GCSE in able to achieve successful outcomes by the end of year 11. Maths in Science skills embedded Literacy skills & new terminology embedded Graphing & analytical skills via formative assessment Lab techniques & practical equipment Investigative skills Required Practical's from Biology, Chemistry & Physics Variables: Independent, Dependent & controls.	Students will build on previous knowledge and expand their understanding through final topics of Biology, Chemistry and Physics. They will access all the skills developed through previous years to access the further content of GCSE in able to achieve successful outcomes by the end of year 11. Maths in Science skills re-visited Literacy skills & new terminology Graphing & analytical skills via formative assessment Lab techniques & practical equipment Investigative skills Required Practical's from Biology, Chemistry & Physics Variables: Independent, Dependent & controls.	Students will build on previous knowledge and expand their understanding through final topics of Biology, Chemistry and Physics. They will access all the skills developed through previous years to access the further content of GCSE in able to achieve successful outcomes by the end of year 11. Required Practical's from Biology, Chemistry & Physics re-visited for each discipline to embed knowledge & skills for the appropriate required Practical's. Masterclasses put on to make revision lessons bespoke Variables: Independent, Dependent & controls re-visited alongside exam-based questions.
Assessment and Assessment Focus		
Quizzes / Prior understanding/memory recall	**Quizzes / Prior understanding/memory recall**	**Quizzes / Prior understanding/memory recall**

Most lessons will begin with some form of memory recall based upon pupil's prior learning. This could be a bell time activity, 5 a day questions, or blast from the past mini quiz. They are designed to consolidate & re-test knowledge previously taught. **Mock Exams 2 take place during window directed by SLT.**	Most lessons will begin with a starter of 5 a day (or quiz) which will assess prior knowledge to consolidate learning. Although based upon recent lack of understanding, teachers will add in knowledge learnt in previous terms as well to keep pupil's long-term memory active.	Most lessons will begin with a short task to access memory from previously taught material which can be discussed further to consolidate long term learning. **GCSE Exams start May**
Regular testing both formative and summative will take place at discreet points and alongside SLT determined assessment windows. We will assess the knowledge and understanding from the three major units covered so far. The data from this will be used to determine suitability for pupil access to higher or foundation level. Use of mini-mocks and key knowledge questions alongside other exam-based practice will be used to prepare students for testing. DTT-Therapy questions/reteach/re--test based upon misconceptions will be addressed. Gaps in knowledge will be plugged before moving onto new material.	Regular testing both formative and summative will take place at discreet points and alongside SLT determined assessment windows. We will assess the knowledge and understanding from the three major units covered so far. The data from this will be used to determine suitability for pupil access to higher or foundation level. Use of mini-mocks and key knowledge questions alongside other exam-based practice will be used to prepare students for testing. DTT-Therapy questions/reteach/re--test based upon misconceptions will be addressed. Gaps in knowledge will be plugged before moving onto new material.	End of term summative test alongside regular mini-mocks will take place in term 3. DTT-Therapy booklets produced based upon findings & weaknesses. Independent learning – Whole school policy followed to set exam style questions, mind maps, flashcards using key knowledge organisers will be set as homework's, but more revision style & exam-based learning to prepare for mock exams.