

Curriculum Plan	Subject	Science Trilogy - Chemistry	Year	Y9
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Please note: This is the order of lessons. This plan covers several different teaching groups who will be at slightly different places along this plan

		W/C 2 nd November	W/C 9 th November	W/C 16 th November
How you will access home learning		Individual lessons will be posted using the 'Classwork' function on ShowMyHomeWork, along with other supporting documentation – exam style questions, question sheets, mark schemes. Other tasks may be set using programmes such as www.senecalearning.com and www.kerboodle.com but they will be referenced in SMHK first. Resources will be available on G drive		
How you be able to interact with your teacher and gain feedback on your work		Pupils will be able to message teachers through a variety of methods: email to teachers' @notredame-high.co.uk email addresses; via the messaging system in SMHK; via chat functions in MSTeams		
Retrieval How we will help you to recall previously learnt knowledge		Starters will incorporate prior knowledge from both recent lessons as well as previous topics. Exam style questions will incorporate current and past topics. Links will be made between different topics in PowerPoint presentations and questions	Starters will incorporate prior knowledge from both recent lessons as well as previous topics. Exam style questions will incorporate current and past topics. Links will be made between different topics in PowerPoint presentations and questions	Starters will incorporate prior knowledge from both recent lessons as well as previous topics. Exam style questions will incorporate current and past topics. Links will be made between different topics in PowerPoint presentations and questions
New Learning	What you will be learning about this week	10 Isotopes & Relative Atomic Mass Define keywords; working out numbers of sub-atomic particles in an atom;	11 Assessment on topic to date	12 History of the periodic table How the table was developed over time; how predications can be validated by new discoveries
	How we will teach you the new knowledge or ideas	Carefully crafted lesson presentations will introduce new content, making use of existing online videos or inhouse produced videos / voiced presentations. New concepts will be introduce via the "I do / we do / you do" progression towards independent learning. Metacognitive approaches showing how students can break down and attempt tasks and questions will be incorporated e.g. command words, data given in questions	Multiple choice questions on the topic so far will be used indicate areas for further work to develop knowledge in areas of greater need. Tailored follow-on questions will be provided to allow students to strengthen knowledge and extend learning.	Carefully crafted lesson presentations will introduce new content, making use of existing online videos or inhouse produced videos / voiced presentations. New concepts will be introduce via the "I do / we do / you do" progression towards independent learning. Metacognitive approaches showing how students can break down and attempt tasks and questions will be incorporated e.g. command words, data given in questions
	Activities that will help you learn and practice what you've been taught	Worked examples will be shown. "We do" questions attempted collaboratively and independent tasks with access to mark schemes to check and improve individual learning will be shared. Low risk quizzes, online quizzes / assignments, self-	Self-determination matrices and exam style questions will help retrieval practice and assessment. Exam style questions will interleave questions on new and previous learning.	Worked examples will be shown. "We do" questions attempted collaboratively and independent tasks with access to mark schemes to check and improve individual learning will be shared. Low risk quizzes, online quizzes / assignments, self-

		<p>determination matrices and exam style questions will help retrieval practice and assessment. Exam style questions will interleave questions on new and previous learning.</p>		<p>determination matrices and exam style questions will help retrieval practice and assessment. Exam style questions will interleave questions on new and previous learning.</p>
	<p>What you can do if you are stuck</p>	<p>Contact classmates via existing communication methods e.g. social media, Whatsapp Use online resources such as OakNationalAcademy, BBC Bitesize, FreeScienceLessons, Primrose Kitten, ChemGuy, Fuse School Kerboodle has our text book AQA Oxford Chemistry and online resources Additional resources available on school's G: drive</p>	<p>Contact classmates via existing communication methods e.g. social media, Whatsapp Use online resources such as OakNationalAcademy, BBC Bitesize, FreeScienceLessons, Primrose Kitten, ChemGuy, Fuse School Kerboodle has our text book AQA Oxford Chemistry and online resources Additional resources available on school's G: drive</p>	<p>Contact classmates via existing communication methods e.g. social media, Whatsapp Use online resources such as OakNationalAcademy, BBC Bitesize, FreeScienceLessons, Primrose Kitten, ChemGuy, Fuse School Kerboodle has our text book AQA Oxford Chemistry and online resources Additional resources available on school's G: drive</p>

		W/C 23 rd November	W/C 30 th November	W/C 7 th December	W/C 14 th December
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New Learning	What you will be learning about this week	13 Layout of the periodic table How atomic structure is linked to the periodic table; how metals & non-metals differ in electronic structure; where elements are grouped; why Noble gases are unreactive	14 Group 1 - Alkali metals Reactions of group 1 with water and halogens; melting & boiling points down the group	15 Group 7 - Halogens Reactions of group 7 with hydrogen; displacement reactions of halogens	16 Trends in groups 1 & 7 Trends in reactivity, melting and boiling points and other physical parameters up and down the groups
	How we will teach you the new knowledge or ideas	Carefully crafted lesson presentations will introduce new content, making use of existing online videos or inhouse produced videos / voiced presentations. New concepts will be introduce via the "I do / we do / you do" progression towards independent learning. Metacognitive approaches showing how students can break down and attempt tasks and questions will be incorporated	Carefully crafted lesson presentations will introduce new content, making use of existing online videos or inhouse produced videos / voiced presentations. New concepts will be introduce via the "I do / we do / you do" progression towards independent learning. Metacognitive approaches showing how students can break down and attempt tasks and questions will be incorporated	Carefully crafted lesson presentations will introduce new content, making use of existing online videos or inhouse produced videos / voiced presentations. New concepts will be introduce via the "I do / we do / you do" progression towards independent learning. Metacognitive approaches showing how students can break down and attempt tasks and questions will be incorporated	Carefully crafted lesson presentations will introduce new content, making use of existing online videos or inhouse produced videos / voiced presentations. New concepts will be introduce via the "I do / we do / you do" progression towards independent learning. Metacognitive approaches showing how students can break down and attempt tasks and questions will be incorporated

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