

Curriculum Plan	Subject	Science Trilogy - Chemistry	Year	Y10
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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	1 Endo & exothermic What keywords mean; examples of endo- and exothermic reaction in the real world	2 Exothermic required practical how to investigate temperature changes through a required practical	3 Energy level diagrams How to express energy changes in graphical form; defining activation energy; identifying endo- and exothermic reactions from energy profiles
	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 introduced 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	Carefully crafted lesson presentations will introduce new content, making use of existing online videos or inhouse produced videos / voiced presentations. New concepts will be introduced 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	Carefully crafted lesson presentations will introduce new content, making use of existing online videos or inhouse produced videos / voiced presentations. New concepts will be introduced 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,	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,	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,

		<p>online quizzes / assignments, self-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>online quizzes / assignments, self-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>online quizzes / assignments, self-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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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			
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New Learning	What you will be learning about this week	4 Energy change calculations (Higher Tier) Calculating the energy changes from breaking and forming bond; calculating the energy changes in reactions	5 Energy change calculations (Higher Tier) Further work in calculating the energy changes in reactions	6 Energy change assessment An opportunity to assess learning so far in the topic	7 Measuring rate of reaction practicals Defining rate of reaction; how to collect data in a chemical reaction; how to calculate a mean rate of reaction
	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 introduced 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	Carefully crafted lesson presentations will introduce new content, making use of existing online videos or inhouse produced videos / voiced presentations. New concepts will be introduced 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 questioning on recent learning, with follow-on questions based upon areas of weakness / where further development needed.	Carefully crafted lesson presentations will introduce new content, making use of existing online videos or inhouse produced videos / voiced presentations. New concepts will be introduced 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

	<p>Activities that will help you learn and practice what you've been taught</p>	<p>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-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>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-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>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-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>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-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>	<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>