Y10 CURRICULUM OVERVIEW

SUBJECT: GCSE CHEMISTRY

		Topics being taught	What you will be assessed on	How you can support at home
Autumn Term		Structure and Bonding Bonding in Carbon	Sparx home learning Marked tasks	Encourage Sparx science Identify bonding in materials around home
	OCTOBER 1/2 TERM	Bonding and Reactivity of metals Nanoparticles	Sparx home learning Marked tasks CAT test	Flashcards of key differences in bonding Recall of periodic table (Y9)
	CHRISTMAS	Electrolysis Chemical Cells Corrosion	Sparx home learning Marked tasks CAT test	Flashcards electrolysis rules Review on BBC bitesize
Spring Term	FEBRUARY 1/2 TERM	Amount of substance Yield and atom economy	Sparx home learning Marked tasks	Summarise key equations Self set Sparx independent learning.
	EASTER	Titrations Reactions of acids Energy in reactions	Sparx home learning Exam skills Marked tasks	Flashcards acids Review exam skills
Summer Term	MAY 1/2 TERM	Atmospheric pollutants Greenhouse gases	Sparx home learning End of year exam	Review required practicals Discuss carbon footprint

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EXCELLENCE FOR ALL

Y10 CURRICULUM OVERVIEW

SUBJECT: GCSE COMBINED SCIENCE
CHEMISTRY

	Topics being taught	What you will be assessed on	How you can support at home
Autumn Term	Structure and Bonding Bonding in Carbon	Sparx home learning Marked tasks	Encourage Sparx science Identify bonding in materials around home
OCTOBER 1/2 TERM	Bonding and Reactivity of metals	Sparx home learning Marked tasks CAT test	Flashcards of key differences in bonding Recall of periodic table (Y9)
CHRISTMAS			
Spring Term	Electrolysis	Sparx home learning Marked tasks CAT test	Flashcards electrolysis rules Review on BBC bitesize
FEBRUARY 1/2 TERM	Amount of substance	Sparx home learning Marked tasks	Summarise key equations Self set Sparx independent learning.
EASTER			
Summer Term	Reactions of acids Energy in reactions	Sparx home learning Exam skills Marked tasks	Flashcards acids Review exam skills
MAY 1/2 TERM	Atmospheric pollutants Greenhouse gases	Sparx home learning End of year exam	Review required practicals Discuss carbon footprint

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Y11 CURRICULUM OVERVIEW

SUBJECT: GCSE CHEMISTRY

	Topics being taught	What you will be assessed on	How you can support at home
Autumn Term	Rates of reaction Reversible reactions Haber process	Sparx home learning Marked tasks CAT test	Encourage Sparx science Flashcards on rates
OCTOBER 1/2 TERM	Earth's resources and water Lifecycle assessments	Sparx home learning Marked tasks Mock paper 1	Journey of water from rainfall to tap Discuss recycling at home
CHRISTMAS			
Spring Term	Use of carbon compounds Alkenes and alcohols Polymers	Sparx home learning Marked tasks	Flashcards on carbon compounds Review on BBC bitesize
FEBRUARY 1/2 TERM	Mixtures & chromatography	Sparx home learning Marked tasks Mock paper 2	Identify formulations around the home Review required practicals
EASTER			
Summer Term	Identification of ions and gases	GCSE exams start	
MAY 1/2 TERM			

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Y11 CURRICULUM OVERVIEW

SUBJECT: GCSE COMBINED SCIENCE CHEMISTRY

	Topics being taught	What you will be assessed on	How you can support at home
Autumn Term	Greenhouse gases Earth's resources and water	Sparx home learning Marked tasks CAT test	Encourage Sparx science Journey of water from rainfall to tap
OCTOBER 1/2 TERM	Lifecycle assessments Rates of reaction	Sparx home learning Marked tasks Mock paper 1	Discuss recycling at home Flashcards on rates
CHRISTMAS	Reversible reactions Use of carbon compounds Identification of gases	Sparx home learning Marked tasks	Flashcards on carbon compounds Review on BBC bitesize
Spring Term			
FEBRUARY 1/2 TERM	Mixtures & chromatography	Sparx home learning Marked tasks Mock paper 2	Identify formulations around the home Review required practicals
EASTER		GCSE exams start	
Summer Term			
MAY 1/2 TERM			

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