



Learning Programme 2			Vocabulary to be taught using the fraye model
oric for LP1 is Organisation			
he values we are learning abou	,		
	ern for the suffering or misfortunes of others		
Honesty - being truthful and refra What will I be learning about in this			
	ill develop their understanding of the fundamental co	oncepts of chemistry, starting with the structure and	
Where have I seen this learning be			
rior knowledge of atoms, reactions, rinciples.	and lab techniques supports understanding of bond	ling, periodic trends, mixtures, and chemical	
Vhat could I use it for?			
·	wledge in the future to understand real-world process	·	
	iffect the environment. It is essential for further science	e study at GCSE and beyond, especially in courses Behaviour to support the values:	
n LP2.1, I will know :	20/10/25 - (WK 2)	STEPS/SLANT	Homework
the basic structure and properties of			
how to write and interpret simple chemical equations; methods for separating mixtures, including fractional distillation and paper			Homework tasks are located in the Knowledg
hromatography IGNITION.	cidding nactional distination and paper	I will show honesty by accepting the	Organisers
5 1 7		consequences for my mistakes.	
n LP2.2, I will know :	03/11/25 - (WK 1)	Behaviour to support the values: STEPS/SLANT	Homework
the historical development of the at	omic model;		
	ncluding protons, neutrons, and electrons;	I will show compassion by giving	Homework tasks are located in the Knowledg Organisers
the differences between ions, atoms	, and isotopes.	encouragement to others.	O Iguino di
P2 RLW, I will:	10/11/25 - (WK 2)	Behaviour to support the values:	Homework
		STEPS/SLANT	
nowledge and prepare effectively for	olying key knowledge, focus on closing any gaps in m the upcoming assessments.	y	
n LP2.3, I will know :	17/11/25 - (WK 1)	Behaviour to support the values: STEPS/SLANT	Homework
how electronic structure relates to the Periodic Table;		I will show honesty by listening to and	Homework tasks are located in the Knowledg
the key stages in the development of the Periodic Table; the properties and reactivity of Group 1 alkali metals.			Organisers
xtended Task	p 1 dikan metals.	accepting the views of others.	
		Behaviour to support the values:	
n LP2.4, I will know :	24/11/25 - (WK 2)	STEPS/SLANT	Home work
have the deligence of the control of the control of the Control of Table			Homework tasks are located in the Knowledg
		I will show compassion by asking someone	Organisers
now trends in reactivity occur across	groups in the Penodic Table.	how they are.	
		Behaviour to support the values:	
n LP2.5, I will know :	01/12/25 - (WK 1)	STEPS/SLANT	Homework
the different states of matter and rela			Homework tasks are located in the Knowledg
how atoms form ions and understand ionic bonding;		I will show honesty by telling the truth about	Organisers
the structure and properties of giant	Torric Tattices.	things.	
- 193 C. Lwill Im.	00/42/25 (141/2)	Behaviour to support the values:	U-manust.
n LP2.6, I will know :	08/12/25 - (WK 2)	STEPS/SLANT	Homework
the principles of covalent bonding and polymers;			Homework tasks are located in the Knowledg
structure and properties of giant covalent substances; the nature of metallic bonding.		I will show compassion by actively listening	Organisers
xtended Task		and engaging with others.	
n LP2.7, I will know:	15/12/25 - (WK 1)	Behaviour to support the values:	Homework
now to calculate relative masses and		STEPS/SLANT	
	• •		Homework tasks are located in the Knowledg
			Organisers
now to balance chemical equations now to express and calculate concer	ntrations of solutions.	I will show honesty by being true to myself.	
now to balance chemical equations	ntrations of solutions.	I will show honesty by being true to myself.	



Research the indutstrial uses of graphine. Produce an information slide.