

Science KS3 Assessment Framework

	Beginning Grade 1	Working Towards Grade 2-3	Expected Grade 4-5	Exceeding Grade 6-7	Excelling Grade 8-9
	I can:	I can:	I can:	I can:	I can:
Elements & the Periodic Table	State what an element, atom and compound are	Represent different substances using particle diagrams	Describe the structure of a polymer	Represent polymers using a particle diagram	Describe the difference between the three types of subatomic particles
	State what groups and periods are on the Periodic Table	Calculate the amount of atoms in a compound	Write simple chemical equations	Make polymers out of milk	Explain the relationship between group and period.
	State where metals and non-metals are found in the Periodic Table	Define the terms 'atomic number' and 'mass number'.	Describe the structure of an atom	Create a model of a carbon atom	Explain the similarities and differences in the properties of isotopes
	Know who Mendeleev is and what he did	Define and describe isotopes using the atomic model	Draw the atoms of the first 10 elements	Calculate the number of protons, neutrons and electrons in an atom	Explain why halogens undergo displacement reaction
		Describe the properties of metals and non-metals	Describe trends in physical properties	Write the electronic configuration of the first 10 elements	Determine if a substance is a metal or a non-metal experimentally
			Describe what happens when alkali metals react with water	Calculate number of protons, neutrons and electrons for different isotopes	
			Describe properties of the noble gases		