

Chemistry

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
10	Atomic Structure	Bonding	Energy Changes	Quantitativ e Chemistry		Chemical Changes (Part B)
11	Rates of Reaction					
	Atomic Structure	Amount of Substance	Energetics	Kinetics		Transition Metals
12	Bonding Redox	Introduction to organic Periodicity	Alkanes Group 2 and Group 7	Halogenoalkanes Equilibria		Organic Analysis Period 3
	Thermodynamics	Rate Equations and K _p		Period 3		
13		Carboxylic Acids and their derivatives	Electrode Potentials	Acids Bases and pH Chromatography		Organic Synthesis NMR

Curriculum Rational: The Science Curriculum at Barr Beacon School is designed to provide pupils with relevant knowledge to enable them to be scientifically literate members of society. In our rapidly changing world, where new and emerging technologies present ethical challenge to our democratic society, we will empower pupils with relevant knowledge to effectively question information and make informed contributions. Even given infinite time, we could not hope to fully explain all the contributions science makes to the world around us, we have developed our curriculum to build interest and promote curiosity in the applications of science.