

The table below maps progression through the English curriculum against concept category.

Concept category	Atomic structure and the periodic table	Properties of matter, materials and bonding	Chemical changes	Synthesis and functionality	Energy changes	Chemical symbols and calculations	Chemical analysis and preparation	Earth science and environmental chemistry
KS1 (age 5-7)		Everyday materials Uses of everyday materials						
KS2 (age 7-11)		Changes in state Properties and changes of materials	Properties and changes of materials					Rocks
KS3 (age 11-14)	Atoms, elements The periodic table	The particulate nature of matter Materials	Chemical reactions		Energetics	Compounds	Pure and impure substances	Earth and atmosphere
KS4 (age 14-16)	Atomic structure and the Periodic Table	Structure, bonding and the properties of matter	Chemical changes Chemical and allied industries	Chemical and allied industries	Energy changes in chemistry Rate and extent of chemical change	Chemical analysis	Chemical analysis	Chemical and allied industries Earth and atmospheric science
KS5 (age 16-18)	Atomic structure	Bonding and structure	Redox	Organic chemistry	Energetics Kinetics Equilibria	Formulae, equations and amounts of substance	Modern analytical techniques	