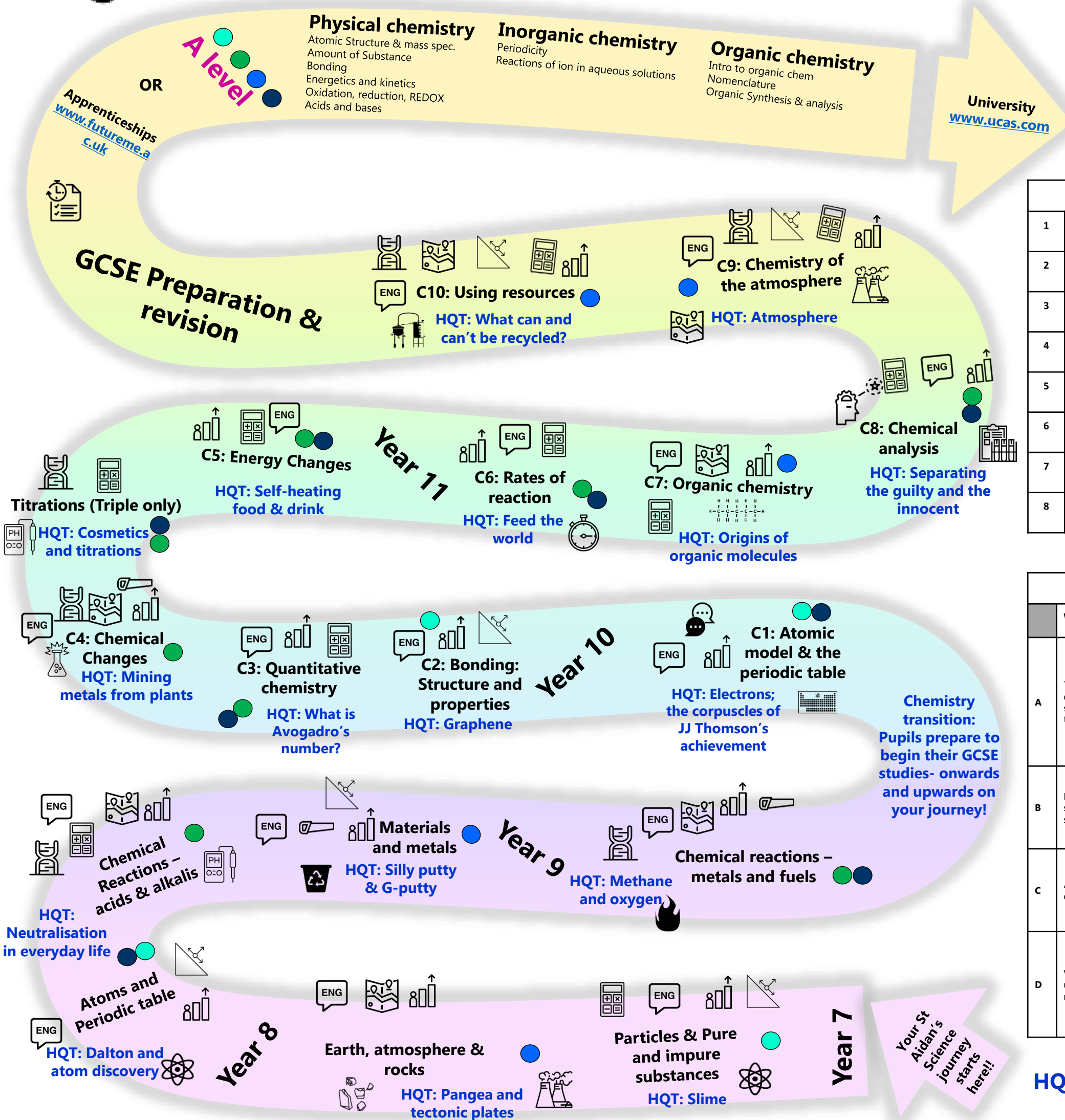


Science

Chemistry Learning Journey

"Chemistry begins in the stars. The stars are the source of the chemical elements, which are the building blocks of matter and the core of our subject." Peter Atkins



Read like a Chemist	
The periodic table - Primo Levi	Why do chemical reactions happen - James Keeler
Creations of Fire - Cathy Cobb	50 chemistry ideas you need to know - Hayley Birch
	The disappearing spoon and other true tales from the periodic table - Sam Keen
	Napoleon's buttons: How 17 molecules changed history - Penny Le Couteur
	Periodic tales: The curious lives of elements - Hugh Aldersey Williams

Chemistry Careers	
Pharmacologist	Doctor or nurse
Research Scientist	Analytical chemist
Chemistry teacher	Forensic Scientist
Nanotechnologist	Toxicologist
Environmental analyst	Air quality research
Biochemist	Chemical Engineer

Curriculum Links			
	Maths		MFL
	English		IT
	P.E		RE
	Geography		Careers
	Art		PHSE
	Design		Physics
	Music		Biology

Threshold Concepts in Chemistry	
	Particles & Bonding: All matter in the Universe is made of very small particles and the interactions between them.
	Chemical Reactions: Reactions involve the rearrangement and/or re-organisation of atoms and/or the transfer of electrons
	Materials & Systems: The Earth is a complex of interacting rock, water, air and life, containing and generating resources to make materials
	Chemical Calculations: Chemical matter can be quantified using calculations or measurements or using equations