Scheme of Learning: Space: Physics GCSE Only

Topic Sequence:

1	2	3	4	5	6
Forces & Interactions	Organic Chemistry	Inheritance, Variation & Evolution	Forces & Motion	Chemical Analysis	Space (Separate Physics only)

Topic Overview:

Questions about where we are, and where we came from, have been asked for thousands of years. In the past century, astronomers and astrophysicists have made remarkable progress in understanding the scale and structure of the universe, its evolution and ours. New questions have emerged recently. 'Dark matter', which bends light and holds galaxies together but does not emit electromagnetic radiation, is everywhere – what is it? And what is causing the universe to expand ever faster?

Lesson Sequence:

We start locally with our solar system, and the life cycle of stars, then we link back to forces and circular motion as it's applied to orbits of satellites. We end with learning about the ideas on how the universe begin and how it is predicted to end.

Sequence of Lessons:	
1	The Solar System
2	Life of a Star
3	Planets. Satellites & Orbits
4	The Expanding Universe
5	Revision
6	Test

Resources:	
1	Solar system labelling diagram
2	Exam question
3	Exam question
4	Exam question, spectral tube demonstration
5	Revision resources in folder
6	Test

Supportive Reading:	
	TBC

Assessment:	
Knowledge:	Multiple choice and short answer questions.
Application of Knowledge:	Exam questions