Overview of coverage of Knowledge and understanding Science

Essential Learnings	
FSSennarrearnings	

Year 8 course overview topics

Year 9 course overview topics

Years 8–9

Science as a human endeavour

Responsible and informed decisions about real-world issues are influenced by the application of scientific knowledge.

• Immediate and long-term consequences of human activity can be predicted by considering past and present events.	The changing Earth Living with and in water Looking after the environment	Managing natural ecosystems
 Responsible, ethical and informed decisions about social priorities often require the application of scientific understanding. 	Diversity of living things The heat is on Living with and in water Looking after the environment	Body systems Managing natural ecosystems Electricity
People from different cultures contribute to and shape the development of science.	Our place in the universe	Body systems Cracked up

Earth and beyond

Events on earth and in space are explained using scientific theories and ideas, including the geological and environmental history of the earth and the universe.

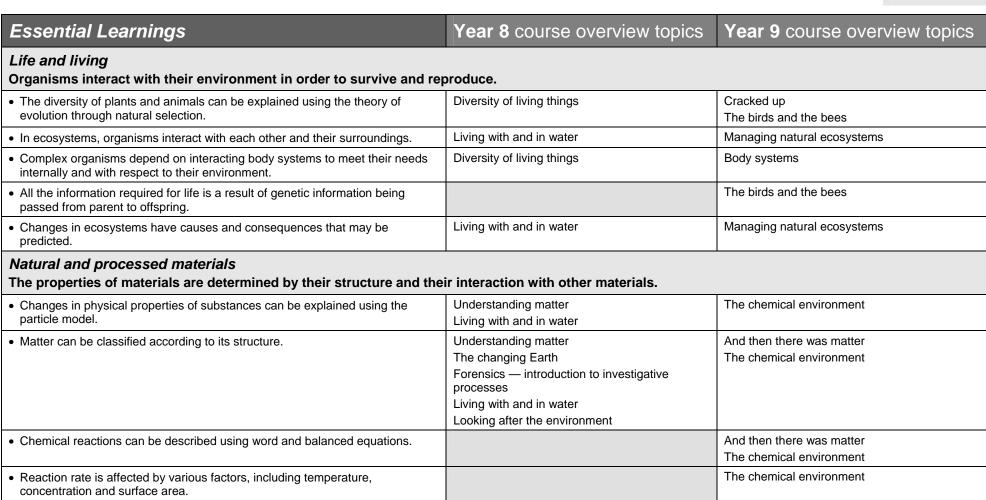
• Scientific ideas and theories offer explanations about the earth that extend to the origins of the universe.	Our place in the universe	Cracked up And then there was matter
 Global patterns of change on earth and in its atmosphere can be predicted and modelled. 	Our place in the universe The changing Earth	Cracked up
 Geological evidence can be interpreted to provide information about past and present events. 	The changing Earth	Cracked up

Energy and change

Forces and energy are identified and analysed to help understand and develop technologies, and to make predictions about events in the world.

An unbalanced force acting on a body results in a change in motion.	Machines	Fun park physics
Objects remain stationary or in constant motion under the influence of balanced forces.	Machines	Fun park physics
Energy can be transferred from one medium to another.	Understanding matter The heat is on Machines Looking after the environment	Fun park physics Electricity
Transfer of energy can vary according to the medium in which it travels.	The heat is on	Electricity
Energy is conserved when it is transferred or transformed.	The heat is on	Managing natural ecosystems Electricity







SAMPLE