

SPRS – Academic Year Curriculum Map – Subject: Science KS3 year 7 and 8

Aim – KS3 pupils The course gives students the opportunity to experience science within the context of their general education. The students will acquire knowledge and understanding of scientific facts, terminology, concepts, principles and practical techniques. It provides a solid understanding and appreciation of science that supports progress to the AQA Entry level course and to GCSE science in year 10. Pupils will acquire the science skills and knowledge to enter back into mainstream school.

Term 1		Term 2		Term 3	
Learning Cycle 1	Learning Cycle 2	Learning Cycle 3	Learning Cycle 4	Learning Cycle 5	Learning Cycle 6
Assessment based on end of unit tests on past SATS exam questions ELC tests	Assessment based on end of unit tests on past SATS exam questions ELC tests	Assessment based on end of unit tests on past SATS exam questions and revision books	Assessment based on end of unit tests on past SATS exam questions and revision books	Assessment based on end of unit tests on past SATS exam questions	Assessment based on end of unit tests on past SATS exam questions ELC tests
<p><u>Intent</u></p> <p>Pupils will study units B biology 3 Cells and organ systems systems.</p> <p><u>Implementation</u></p> <p>Pupils will understand the characteristics shared by living organisms and the organisation, tissues cells organs organ systems. Pupils will be able to describe levels of organisation in living organisms. Pupils will understand cell structure of living things and how the body digest foods and the digestive system.</p> <p><u>Impact</u></p> <p>Knowledge and skills of cells and the digestive system to cover KS3 course and key stage 3 curriculum. Pupils working towards ELC tests</p>	<p><u>Intent</u></p> <p>Pupils will study units Biology 4 Cells and Plants</p> <p><u>Implementation</u></p> <p>Pupils will understand the characteristics of plant cells and how plant systems are organise and how photosynthesis works</p> <p><u>Impact</u></p> <p>Knowledge and skills of cells and plants to cover KS3 course and key stage 3 curriculum. Pupils working towards ELC tests</p>	<p><u>Intent</u></p> <p>Pupils will study units Chemistry 3 Elements and Mixtures and compounds</p> <p><u>Implementation</u></p> <p>Pupils will understand solids liquids and gasses. How particles are arranged. How particles joint to form molecules and understand the organisation of the periodic table.</p> <p><u>Impact</u></p> <p>Knowledge and skills of elements and compounds to cover KS3 course and key stage 3 curriculum. Pupils working towards ELC tests</p>	<p><u>Intent</u></p> <p>Pupils will study units Chemistry 4 Rocks and the rock cycle</p> <p><u>Implementation</u></p> <p>Pupils will understand how the Earth is made. The 3 types of rock. How rock are recycled and how crystals are formed.</p> <p><u>Impact</u></p> <p>Knowledge and skills of the rock cycle to cover KS3 course and key stage 3 curriculum. Pupils working towards ELC tests</p>	<p><u>Intent</u></p> <p>Pupils will study units physics 3 Forces and space</p> <p><u>Implementation</u></p> <p>Pupils will understand how forces shape our world and how forces affect the earth in space and the organisation of the earth in the solar system</p> <p><u>Impact</u></p> <p>Knowledge and skills of Forces and space to cover KS3 course and key stage 3 curriculum. Pupils working towards ELC tests</p>	<p><u>Intent</u></p> <p>Pupils will study units Physics 4 Waves, sound and light</p> <p><u>Implementation</u></p> <p>Pupils will understand how light and sounds waves travel on and move energy. Pupils will learn about different types of waves and wave structure.</p> <p><u>Impact</u></p> <p>Knowledge and skills of Waves to cover the KS3 course and key stage 3 curriculum. Pupils working towards ELC tests</p>