



## Y7 and 8 Curriculum KS3 Science

At Aldridge we use the Activate Series to deliver Science lessons at Key Stage 3. Activate covers many aspects of science at all levels, actively targeting and encouraging upward progression through the renewed Framework and National Curriculum levels.

	<b>Year 7</b>		
	<b>Biology</b>	<b>Chemistry</b>	<b>Physics</b>
<b>Autumn Term 1</b>	<b>Working Scientifically</b> – planning investigations, collecting and analysing data	<b>Acids and Alkalis</b> – acids, alkalis and neutralisation	<b>Space</b> – the solar system, the earth and the moon
<b>Autumn Term 2</b>	<b>Cells</b> – plant and animal cells and specialised cells	<b>Elements, Atoms and Compounds</b> – chemical formula	<b>Sound</b> – energy transfers, pitch and ultrasounds
<b>Spring Term 1</b>	<b>Body Systems</b> – gas exchange, skeletal system and movement of joints and muscles	<b>Reactions</b> – combustion and word equations	<b>Light</b> – reflection and refraction
<b>Spring Term 2</b>			
<b>Summer Term 1</b>	<b>Reproduction</b> – fertilisation in plants and animals, menstrual cycle and development of a foetus	<b>Particles and Their Behaviour</b> – changes in states of matter and diffusion	<b>Forces</b> – forces and friction and balanced and unbalanced forces
<b>Summer Term 2</b>			

	<b>Year 8</b>		
	<b>Biology</b>	<b>Chemistry</b>	<b>Physics</b>
<b>Autumn Term 1</b>	<b>Health and Lifestyle</b> – the digestive system, drugs, alcohol and smoking	<b>Periodic Table and Separation Techniques</b> – elements of group 1, 7 and 0. Filtration evaporation and distillation as methods of separating chemicals	<b>Electricity and Magnetism</b> – current, voltage and resistance in circuits and magnetism and electromagnets
<b>Autumn Term 2</b>			
<b>Spring Term 1</b>	<b>Ecosystems and Processes</b> – photosynthesis and respiration	<b>Metals and Acids</b> – reactions between metals and acids	<b>Energy</b> – energy transfers and energy and power
<b>Spring Term 2</b>			
<b>Summer Term 1</b>	<b>Adaptations and Inheritance</b> – animal adaptation, variation, inheritance and natural selection	<b>The Earth</b> – rock types, the rock cycle and climate change	<b>Motion and Pressure</b> – speed and motion graphs, pressure is different states of matter
<b>Summer Term 2</b>			
<b>Summer Term 2</b>	<b>Investigative Skills</b> – pupils choose a project to investigate	<b>Investigative Skills</b> – pupils choose a project to investigate	<b>Investigative Skills</b> – pupils choose a project to investigate