



Subject:

Year 7 SCIENCE Curriculum Overview

2018-2019

<u>Half Term 1</u> Unit title	Subject Content / Knowledge	Investigations, Cells, Forces (part 1)
	Skills	Identify variables, observe, plot, draw and interpret graphs, analyse data. identify cells, microscopy, identify forces
	Assessment	Investigate onion cells using microscopes, including magnification calculations and labelled drawings
<u>Half Term 2</u>	Subject Content / Knowledge	Forces (part 2), Acids, Alkalis, pH.
	Skills	Observe, calculate, plot, draw and interpret graphs, practical experimental, assess risk.
	Assessment	Investigate the extension when applying forces to a spring
<u>Half Term 3</u>	Subject Content / Knowledge	Life style, Diet, Drugs, Respiration, Circulation
	Skills	Evaluate, predict, explain, evaluate, model, calculate, interpret.
	Assessment	Investigate the short-term effects of exercise on breathing rate and heart rate.
<u>Half Term 4</u>	Subject Content / Knowledge	Atoms, Periodic Table, Chemical /Physical Changes.
	Skills	Practical experimental, model, explain, observe.
	Assessment	Investigate the preparation of pure, dry hydrated copper sulfate crystals starting from copper oxide.
<u>Half Term 5</u>	Subject Content / Knowledge	Circuits, Electricity.
	Skills	Design, model, predict, observe, calculate
	Assessment	Investigate the differences between a series and parallel circuit.
<u>Half Term 6</u>	Subject Content / Knowledge	Reproduction, Puberty, Menstrual Cycle, Magnets and levers
	Skills	Identify, explain, statistical analysis.
	Assessment	Investigate the relationship between distance and force applied on the moment of a lever.

