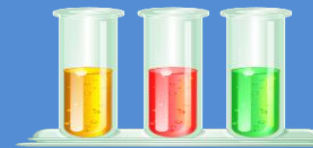


Year 8 Curriculum Overview 2017 - 2018

Subject: Science



Red = Chemistry Green = Biology Purple = Physics Orange = Working Scientifically

Term		Content	Assessment Tasks
Autumn Term	Half Term 1	Pupils to complete: <ul style="list-style-type: none"> Getting the energy your body needs. 	<ol style="list-style-type: none"> Describe the difference between aerobic and anaerobic respiration. Interpret data and suggest which microbe may be most useful for use by a brewing company. Subject Teacher Assessment (2nd Oct)
	Half Term 2	Pupils to complete: <ul style="list-style-type: none"> Explaining physical changes. 	<ol style="list-style-type: none"> Interpretation of data regarding solubility and the effects of temperature. Apply knowledge of particles to complete differentiated assessment task. Formal Linear Assessment (20th Nov)
Spring Term	Half Term 3	Pupils to complete: <ul style="list-style-type: none"> Exploring contact and non-contact forces. 	<ol style="list-style-type: none"> Apply knowledge of magnetic fields and electrostatic forces to complete differentiated assessment task. Pressure calculations. Formal Linear Assessment (12th Feb).
	Half Term 4	Pupils to complete: <ul style="list-style-type: none"> Explaining chemical changes. 	<ol style="list-style-type: none"> Plan an investigation comparing the reactivity of metals. Apply knowledge of pH and Neutralisation to complete the differentiated assessment task.
Summer Term	Half Term 5	Pupils to complete: <ul style="list-style-type: none"> Looking at plants and ecosystems. 	<ol style="list-style-type: none"> Evaluate models of Chemosynthesis and Photosynthesis. Apply knowledge of Plants and Photosynthesis to complete differentiated assessment task. Year 8 Examination (23rd Apr)
	Half Term 6	Pupils to complete: <ul style="list-style-type: none"> Magnetism & electricity. 	<ol style="list-style-type: none"> Complete an extended answer on magnetic fields combined science pg 412. Apply knowledge of magnets, electromagnets and the Earth's magnetic field to complete the differentiated assessment task. Subject Teacher Assessment (18th June)