

Subject: Science (Autumn 1)

Year group: 8

Age-related Criteria for KS3 reporting



ARC	Biology	Chemistry	Physics	Working Scientifically
Exceeding	I can justify dietary differences using energy demands and explain gas exchange using adaptations and diffusion.	I can predict trends in Group 1 properties and explain changes using particle ideas and bonding concepts.	I can interpret graphs to explain how current, turns and distance affect electromagnet strength and suggest improvements to experiments.	I can explain anomalies, draw accurate lines of best fit and suggest improvements linked to validity and reliability.
Meeting	I can explain why different people need different amounts of nutrients and describe the pathway of oxygen into the blood.	I can explain why compounds are not in the Periodic Table and describe displacement reactions using word equations.	I can explain how to test magnet poles and describe factors that affect electromagnet strength using examples.	I can identify variables, plot graphs and describe trends.
Developing	I can name nutrients and give simple examples of foods that contain them.	I can identify elements, compounds and mixtures from simple diagrams and name common elements.	I can describe what happens when magnets attract or repel and state that friction slows objects down.	I can follow a method and record results in a table.