



**Year 8 Assessment 1 – January 2025**

45 minutes

<b>Science</b>	<b>R</b>	<b>A</b>	<b>G</b>
Safety: risks and hazards			
Laboratory apparatus: names and uses of equipment			
Variables: identifying independent, dependent, and control variables.			
Making measurement: being accurate and precise			
Graphs: bar charts and line graphs			
Permanent magnets			
Magnetic fields and their effects			
Forming and electromagnet			
Investigating electromagnets			
Charge as a property of matter			
Static electricity			
Current in series and parallel circuits			
Electrical conduction and insulation			
Potential difference			
Resistance			
Conservation of mass in chemical reactions			
Reactivity: metals with water, acid, oxygen.			
Displacement reactions including extraction of metals from ores using carbon			
Earth structure & plate tectonics			
Properties of sedimentary, metamorphic and igneous rocks			
The carbon cycle			