

**Rugby Free Secondary School Curriculum Sequence Overview 2023-24**

**Key Stage 2 Key Links:**

1. States of matter and Properties
2. Rocks, Everyday materials and their uses
3. Working Scientifically – basic measurement and recording data

**Year 7 Link to Key Stage 2:**

1. States of matter and changing state occurs
2. Properties of materials and metals and how these can be change
3. Working Scientifically – recording data, scientific enquiry

**Year 8 Link to Year 7:**

1. Pure and impure substances, chemical formulas
2. Periodic table and materials
3. Working scientifically – methods, predictions, graphs, use of specialist equipment

**Year 9 Link to Year 8:**

1. Atoms, elements and compounds
2. Chemical reactions
3. Working scientifically – conclusions, hypothesis, graphs, use of specialist equipment

**Year 10 Link to Year 9:**

1. Calculations involving masses -Using links from CC3 and CC4
2. Electrolysis -Using links from CC5
3. Obtaining metals from ores-Using links from CC1 and CC2

**Year 11 Link to Year 10:**

1. Fuels – Using links from CC3
2. Earth's atmosphere- Using links from 8C3
3. Separate chem 2- Using links from CC11,CC12

**Year 12 Link to Year 11:**

1. Alkanes and alkenes- using links from CC16
2. Amount of substances-Using links from CC9
3. Atomic structure- using links from CC3

**Year 13 Link to Year 12:**

1. Electrode potentials and electrochemical cells – using links from redox equations
2. Properties of group 3 element – Links from periodicity
3. Acids and bases-Links from equilibrium constant