

Science Substantive Thread Progression

CHEMISTRY

Chemistry is the composition and behaviour of matter, including the properties of materials and how they change.

Materials

EYFS / KS1	Lower KS2	Upper KS2
• Explore the durability of materials and investigate everyday materials through practical experiences. • Identify, describe and compare everyday materials, recognising that their properties make them suitable for different uses.	• Compare and group rocks according to their appearance and physical properties. • Identify solids, liquids and gases and observe how heating and cooling cause changes of state.	• Compare and group materials according to properties, including hardness, solubility, transparency and conductivity. • Explain dissolving and methods of separating mixtures, and distinguish between reversible and irreversible changes.

End Point

Pupils understand that materials have different properties which determine their uses and can explain how materials change, including reversible and irreversible changes.

Chemistry Curriculum Journey

Across the primary curriculum, pupils move from exploring and comparing everyday materials to explaining their properties, uses and how they change. By the end of Year 6, pupils can apply their understanding of materials, changes of state, dissolving and separation to explain reversible and irreversible changes, providing a secure foundation for secondary Chemistry.