

Medium Term Science Planning

Principles of Good Science Teaching and Learning

Science packs a punch - POW!

Practical: Exploring new ideas and concepts through a wide variety of fun, hands-on investigations that relate to the world around us.

Open-minded: Demonstrating the courage to ask questions that challenge our understanding of the world and being willing to take risks and suggest improvements when searching for the answers.

Wonder: Finding fascination in our learning in all its forms – different types of enquiry, outdoor learning, educational visits, visitors and home learning.

Term: Autumn 1	Year group: 5	Topic: Properties and Changes of Materials
Key vocabulary: hard, soft, stretchy, rigid, flexible, waterproof, absorbent, strong/weak, rough, smooth, reflective, non-reflective, transparent, opaque, translucent, solubility, electrical conductivity, thermal conductivity, melting, states of matter, solid, liquid, gas, change state, dissolve, solution, soluble, insoluble, solute, solvent, particle, mix/mixture, filtering, sieving, evaporating, residue, condensing, reversible changes, new material, not usually reversible, burning, gas given off, rusting		

Objective(s) (K & WS)	Hook (talk task) & Key Questions	Whole-class Input	Task / Enquiry (Activity)	Mini plenary	Outcomes: (Conclusion / Evaluation) Next steps	Outdoor learning / Cross- curricular opportunities

If you found this useful, we have more resources at <https://explorify.wellcome.ac.uk>.

