



01

Develop pupils' scientific vocab

Identify science-specific vocabulary.

Explicitly teach new vocabulary and its meaning, creating opportunities for repeated engagement and use over time.



02

Encourage pupils to explain their thinking, whether verbally or in written form

Create a collaborative learning environment.

Capitalise on the power of dialogue.

Cultivate reasoning and justification.



03

Guide pupils to work scientifically

Explicitly teach the knowledge and skills required to work scientifically, guiding pupils to apply this in practice, with opportunities for discussion and reflection.



04

Relate new learning to relevant, real-world contexts

Consider real-world contexts.

Engage with science concepts supported by virtual models.



05

Use assessment to support learning and responsive teaching

Plan teaching that builds on existing knowledge and experiences.

Monitor pupils' learning to inform responsive teaching, feedback, and next steps.

Summarise what pupils have learned against planned criteria.



06

Strengthen science teaching through effective professional development, as part of an implementation process

Use a range of information to identify development priorities and professional learning needs.

Consider factors of high quality professional development to plan or evaluate provision.

Reflect on senior leadership support at the strategic to classroom level.