

Teaching Sequence in Science

Big Picture: Start with what the children know, understand, are able to do and able to say. Daily Review: Revisit previous learning.

Provide information and scientific concepts.

Specify key vocabulary to be used and its meaning.

Provide opportunities for the children to investigate in a variety of contexts.

Obtain and present evidence through observations, comparisons and collected data.

Possible pedagogical approaches used in Science

Behaviourism

Direct teacher instruction; modelling of skills and techniques; demonstration; Teaching Backwards

Constructivism

Inquiry-based learning; outdoor learning

Social Constructivism

Teacher modelling; questioning; mix of individual, paired and group instruction using the Kagan 4 strategies

Liberationism

Pupil-led learning; opportunities to showcase learning; parental involvement; critical audience