



Science on a Page

Brookfield Primary School

Science Non-Negotiables



Working Wall:

- Key vocabulary, RAG rated, linked to the current area of learning.
- A copy of the Knowledge organiser.
- Working scientifically poster.
- Examples of children's work.
- Famous Scientist poster – linked to the unit.
- Question stems.
- Pictures/Photos linked to the unit.

Books:

- Knowledge organiser should mark the start of each new science unit.
- KWL grid should be RAG rated with green, yellow or red crayons, both at the beginning of the unit and at the end to show understanding of vocabulary.
- long date written and underlined in the top left-hand corner of the page
- Learning objective either written in (and underlined).
- Sticky knowledge quiz of previous learning and vocabulary recap.
- Evidence of a coherent sequence of learning for each science unit taught – following Developing Experts.
- Evidence of scientific investigation in each unit.
- High expectations of presentation.

Homework:

- Science to be available on the termly 'Homework Menus'

Assessment:

- KWL grids used at the end of each topic to assess understanding of vocabulary, rag-rated green, yellow and red.
- On each unit plan, initials of children who are working at expected or working towards should be noted at the end of the unit.
- Termly assessments logged on O'Track

Science Lesson Design



Sticky knowledge
quiz/recap activity

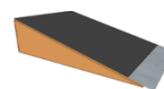
Teacher input

Reflection of Learning

Live marking
throughout and same
day intervention as
required

- Quality first teaching
- Modelled examples
- Practical examples/resources
- Pre-teaching of key concepts
- Visual aids
- Interventions to address misconceptions

- Interactive strategies (e.g. whiteboards)
- Give a 'set time' for completing work



- Key vocabulary explained and added to working wall pyramid.
- Talk Partners
- Targeted questioning
- Practical experiments

- Scientific thinking time
- Mixed attainment seating
- Practical experiments/use of resources.

Cognition and learning	Communication and Language
SEMH	Sensory and physical

Be the best you can be!