

**How we teach Science at Shears Green Junior School**

**What should a Science session look like?**

* Approximately 90 minutes once a week.
* Planning should be flexible to allow for adaptations; however, it should have a clear structure.

**Clear Learning Objective**

A clear, child friendly objective shared with the class and an overview for the lesson given. Date and a title (often in the form of the question) written in Science books.

**Recap and vocabulary**

Complete the starter activity (either linked to prior learning or unit being studied) from the board. Children are then encouraged to share these ideas and thoughts with the class and the teacher to pick up on any misconceptions.

Then an Interactive recap of previous vocabulary knowledge and prior learning.

**Teach and vocabulary**

Teacher to introduce the focus of the lesson, typically in the form of a question. New vocabulary to be introduced and should be on display in the classroom. Teach/recap skills. **A typical lesson may consist of**: factual content, questioning, an investigation, reasoning and communication during collaborative work. TTYP and oral rehearsals should be also be used.

**Practice and Apply**

Framed around the key question the children investigate the answer through either referring to a range of sources if a theory lesson focus or through a practical investigation using their scientific skills of predicting, fair testing (variables), making observations, recording results or drawing conclusions. They should be able to use a variety of ways of communicating their responses.

In-the-moment feedback given by teacher/TA and assessment opportunities.

**Recap and Review**

A quick opportunity where the teacher can check that the children have understood and applied their learning. Self/peer assessment may take place. Whole class feedback given and address any misconceptions.

Initial lessons for each new topic should begin with a pre-test with the results highlighting their prior knowledge and understanding. It will also help identify those children in need of support and challenge throughout the unit.

The final session will consist of a whole class re-cap and re-test paper to show how the children’s level of understanding, knowledge and vocabulary has progressed over the unit.

**Please remember a session should be:**

* Task clearly explained.
* Expectations clearly explained for practical lessons.
* Interactive and engaging.
* Progressive.
* Appropriately differentiated.
* Challenging but achievable.