**Focus area 2: The extent to which teaching supports the goals of the science curriculum**

**11. What is the rationale for teaching approaches chosen for sequences of lessons?**

Questions:

* Tell me a bit about the teaching approaches you have chosen in this sequence of lessons-what made them suitable for the content that you were teaching
* What was the purpose of the activity when .... ?
* How do you make sure pupils link their knowledge together so they see important relationships between concepts?

**12. What approaches do teachers use to ensure that key content is remembered long term? How do teachers ensure that pupils remember that which they have been taught?**

Questions:

* How do you make sure pupils remember long term what has been taught? How do you ensure it is the right knowledge?
* Can you show me some examples of approaches your school uses to support pupils remembering what's on the science curriculum over time?

**13. How is practical use to support learning of science?**

Questions:  
a) For teachers:

* Why did you decide to do this practical activity?
* What did you want the pupils to learn?
* How were pupils prepared for this practical? How have you made sure they are sinking about the science and not just doing it?
* How does the practical help pupils to develop their knowledge of........?
* Why have you decided to carry out this practical activity as a whole class practical and not as a teacher demo (or vice versa)?
* What are pupils going to do with the knowledge they learnt from the practical activity?

b) For pupils:

* Can you tell me why you are carrying out this practical? What are you learning about?
* Can you tell me some of the names of the pieces of equipment you are using. Why are you using X and not Y?