Purpose

What is the activity aiming to develop? Knowledge & understanding/ skills/science enquiry

What is/are the intended learning outcome(s) of the activity?

How will you communicate these learning outcomes to the pupils?
The activity

Is there a structure to the activity?

How is the activity explained to pupils?

How open is the activity?

What will the pupils do with the equipment and materials?

What will pupils record during the activity?
Pupils’ thinking

What do the pupils do that involves ideas and thinking?

What discussions will take place before, during and after the activity?

How will you facilitate pupil talk?
Appropriate challenge

What is the level of difficulty of the activity in terms of conceptual and procedural demand?

Is there any differentiation needed?
Observation analysis

Did pupils do and see what they were intended to?

Could pupils explain the purpose of the activity (why they were doing it)?

Did pupils talk about the activity using scientific terms in the way you had planned?

Did pupils learn what they were intended to learn?