# Student-led planning, monitoring and evaluating of their learning

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Students can use this questions, set out in three phases, to help them answer questions. The three phases of questions support the metacognitive cycle.

## Planning phase

* 1. Have you done a question like this before? What did success look like?
  2. Do you know the scientific knowledge behind the question? Do you need to recap anything?
  3. Have you carried out the experiment, or a similar experiment before? Do you need to recap the method?
  4. How do you ensure that your experimental results are both accurate and precise?

## Monitoring phase

1. Are you sticking to what the question wanted?
2. Have you addressed the safety aspects related to the practical?
3. Have you outlined any equipment needed and explained what it is used for?
4. Have you addressed what you will do with the data collected by saying what graph to plot or equation to use?

## Evaluation phase:

1. How did you do against the mark scheme?
2. Have you structured your question in a way that someone could follow to complete the practical?
3. Are there any key bits that you have missed?
4. Did your chosen strategy work? Why?
5. How will you approach a question like this in the future?