

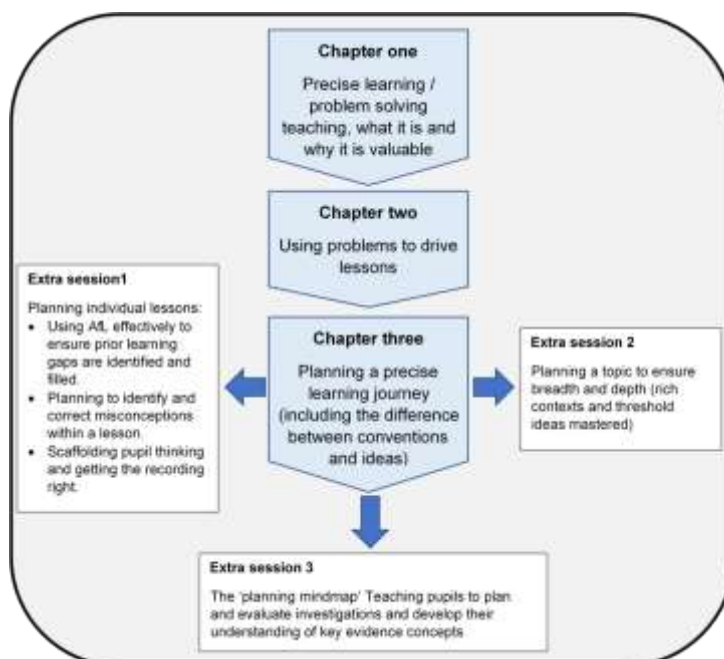
Dear Colleagues

The Hampshire science team invite your science department to participate in a comprehensive professional development over the next 6 weeks. There is no cost to schools!

The programme is designed to help teachers understand and be able to apply the model of teaching called Precise Learning. This will help the effectiveness of teaching and quality of outcomes of existing schemes of work? It is an approach that already underpins the work of some of Hampshire's most successful science departments, and through trialling has been found to have a very positive effect on pupil progress and motivation.

This way of teaching is designed around the following principles:

- The driving force of science teaching is to skill pupils to be able to do science (predict, explain and investigate).
- All scientific thinking is underpinned by a firm foundation of precisely defined knowledge.
- Memories are constructed when ideas are used by students to do something challenging and engaging, in this case science problem solving.
- Gaps in prior learning impede further learning at the point where it is needed, this is the time when gaps must be identified and addressed.
- Misconceptions are best addressed at the moment they are forming within a lesson.



The training itself will take the form of one main section broken into three chapters describing the model of teaching (in blue). The programme is designed so that teachers can learn, and practice remotely and then come together as a department (virtually or in person) and discuss some key questions. This means department leaders play an important role in ensuring this CPD has impact and that it is then used.

Once the main training is complete there will be three further sessions teachers can participate in. Extra session 1 is likely to be extremely useful when planning for pupils returning to school after the lockdown.

Timetable

The initial training will take place over a four week period, it is designed to take advantage of many teachers working from home and should be completed before schools reopen fully.

1. If your science department would like to participate in this training email Richard Aplin (richard.aplin@hants.gov.uk) by **Thursday 23rd April**
2. All participating schools will be invited to a short online meeting on **Tuesday 28th April** where the programme will be outlined
3. Subject leaders (or the person leading the programme at school) will trial the materials and discuss any questions arising from this at an online meeting on **Tuesday 5th May**
4. The CPD leader will set the programme for colleagues in the department and plan in time for team discussion at key points. This must be completed within two weeks meeting
5. CPD leaders will feedback (there will be a short formal evaluation) on the training and plans to make sure it is applied at an online meeting on **Tuesday 19th May**.
6. CPD leaders can then decide how to use the further training sessions

Next steps

If you would like to participate in this training, or have any questions, please contact Richard Aplin at richard.aplin@hants.gov.uk