





Big Ideas in Mastery: Coherence

Messages

- 1. Small steps are easier to take.
- 2. Focussing on one key point each lesson allows for deep and sustainable learning.
- 3. Certain images, techniques and concepts are important pre-cursors to later ideas. Getting the sequencing of these right is an important skill in planning and teaching for mastery.
- 4. When something has been deeply understood and mastered, it can and should be used in the next steps of learning.

For example:

Before teaching the written algorithm for subtraction:

47 -38

Pupils need to:

- be fluent in their number facts for single digit numbers
- have a good understanding that 47 can be partitioned into 40 and 7 or 30 and 17
- understand that 40 can be thought of as 4 tens
- understand that 3 tens and 4 tens make 7 tens and that this is the same as 30 and 40 make 70.

What I have tried

What I found: