

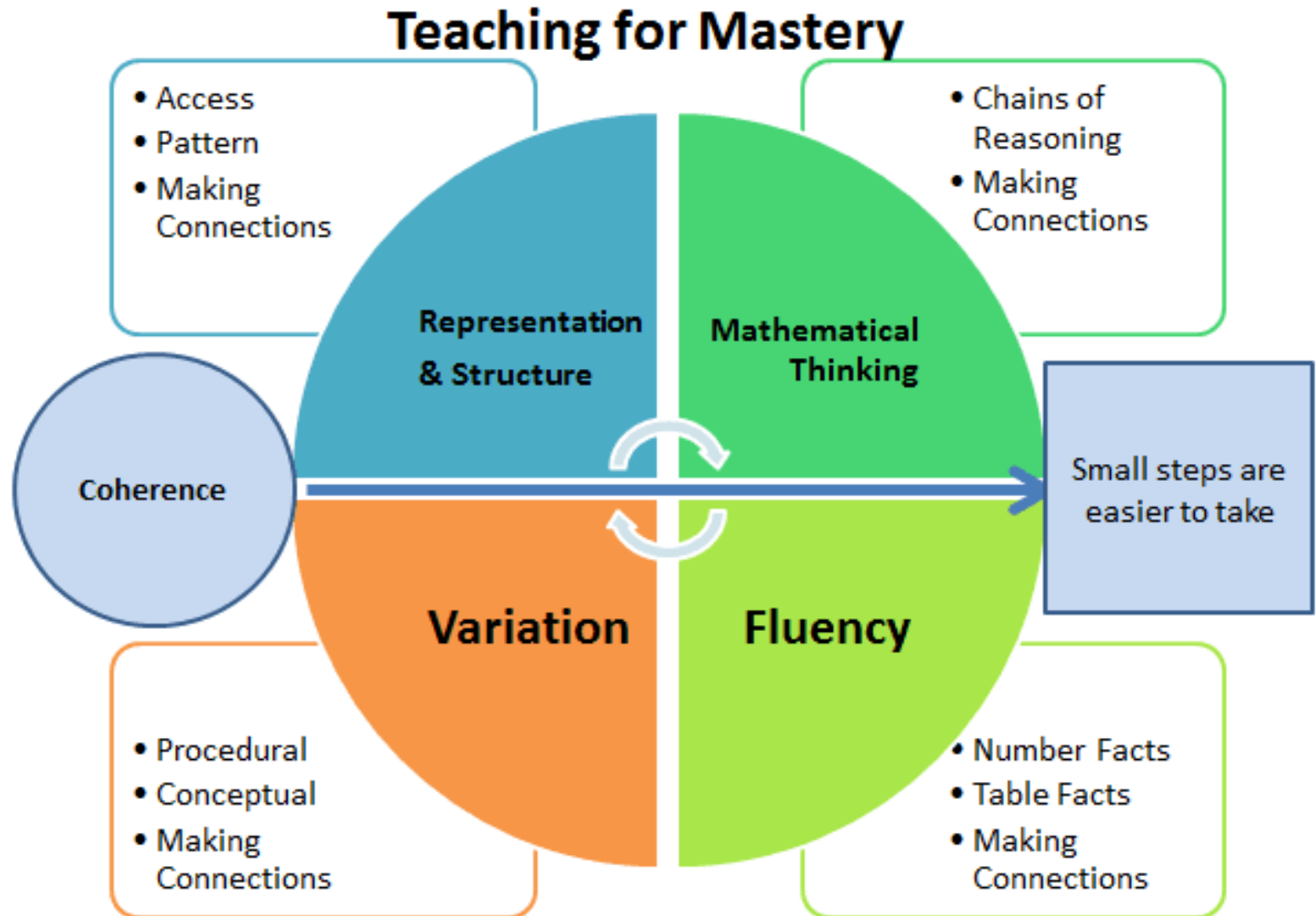
Maths Mastery

What is mastery?

Mastering maths means pupils acquiring a deep, long-term, secure and adaptable understanding of the subject.

Achieving mastery means acquiring a solid enough understanding of the maths.

The 5 big ideas
Taught through
NCETM and White
Rose Maths.



Why is mastery important?

How would you describe an elephant to someone who has never seen one before?

Grey

Big

Have tusks

Have a long trunk

Have big ears





- Grey
- Big when fully grown
- Can have tusks
- Have a trunk
- Can have big ears



Early learning goals

- Have a deep understanding of number to 10, including the composition of each number;
- Subitise (recognise quantities without counting) up to 5;
- Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.

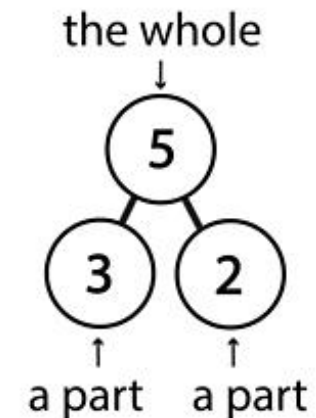
Number blocks

- Learning tool used school
- Teach number through this
- Magazines to buy with resources



Resources to support learning

- Part part whole
- 5/10's frame
- Rekenrek
- Egg boxes



Growth mindsets

- Expectations of pupils

Resilience and perseverance is important – they keep working at a problem even if they find it difficult.

- Pupil's attitudes and self-talk

Changing their mindsets from 'I can't do this' to 'I can't do this yet.'