Rosenshine's 10 principles linked to Teaching for Mastery



05 GUIDE STUDENT PRACTICE	I do, we do, you do Carefully structured lessons which model first and guide the learning enable pupils to then be successful in their own independent practice. Fluency sessions Additional fluency sessions, planned in daily, help to give additional time to allow pupils to practise and secure understanding.
06 CHECK STUDENT UNDERSTANDING Less successful teachers merely ask "Are there any questions?" No questions are taken to mean no problems. False. By contrast, more successful teachers check on all students.	Pupils explainingGetting children to explain their thinking and giving answers in full sentences exposes the depth of understanding. Explaining their work to a peer shows the level of understanding they have.Exit tickets can be used to show individual pupil understanding which is key if a lot of partner work has taken place.
	Positive Attitudes – everyone can be a
07 OBTAIN HIGH SUCCESS RATE	mathematician
A success rate of around 80% has been found to be optimal, showing students are learning and also being challenged. Better teachers taught in small steps followed by practice.	 Having high expectations for all pupils is a key feature of Teaching for Mastery. The small, coherent approach to learning enables all pupils to succeed. Using a ping pong approach to guide the learning through the lesson enables important modelling to take place and sufficient practice. Whole Class teaching Whole class teaching removes the ceiling for the lowest ability pupils and the small step approach allows even the least able to develop the kind of thinking associated with high attainment in maths through explicit teaching.
	Concrete Manipulatives
08 SCAFFOLDS FOR DIFFICULT TASKS Image: Construction of the second se	Carefully chosen manipulatives can help scaffold learning for pupils as they draw attention to the structure and expose connections. Hands on experience can then be visualised to help work more abstractly. STEM Sentences STEM sentences provide a support for children to answer questions asked. They help draw attention to the connections in number and help children make senses of the mathematical structures faced. They also encourage children to give answers in full sentences. Non-examples Getting pupils to look at examples and non-examples helps to clarify definitions. It draws attention to 'What it is' and develops depth of understanding.

