



Maths: Teaching and Learning Expectations

1. All maths lessons to contain:
 - **Flashback 4:** Recap recent learning
 - **Counting:** Verbal fluency- times tables songs, counting forwards or backwards etc
 - **Whole Class Teaching:** Teaching new concepts, using concrete, pictorial and abstract models and encouraging plenty of practice
 - **Independent practice:** The main tasks of the lesson.
 - **Plenary** – True or False (WRM) and/or challenge questions.
2. Concrete apparatus available and accessible for **all lessons** and **all learners** across the school.
3. Lesson taught using the White Rose Maths PowerPoint with adaptations. All children to record their learning in the White Rose Maths workbooks for their year group, if appropriate. There may be lessons where the workbooks are not appropriate for that days learning, for example, if they are focusing on using more practical methods to develop a greater understanding. Children to have their year group workbook except for children who working below, these may have activities stuck into their maths books instead or be working more practically. (WRM Infinity Hub to support)
4. Provide extra challenges related to lesson content for all children embedded within the WRM slides (WRM Reasoning and Problem-Solving Questions or Twinkl Small Step Deepening Questions).
5. Provide opportunities for further consolidation, problem solving, HCLT (high ceiling, low threshold) challenges and investigations within every unit, using NRich, NCETM or Rising Stars Problem solving and reasoning resources.
6. Live marking in lessons and verbal feedback given. Green for 'got it', orange for 'try again'.
7. TT Rock Stars in Years 2 (Summer Term) throughout to Year 6
8. White Rose Infinity Quiz weekly in Key Stage 1 and 2 as home learning
9. End-of-Unit Tests to be done

Arithmetic Sessions

Children will be taught arithmetic (Key Stage 1= once a week, Key Stage 2= twice a week) where they will have the opportunity to practise and consolidate key concepts and learning within place value and the four operations. KS1 to complete learning on whiteboards and KS2 to complete work in arithmetic books.

Problem Solving

In Year 6 once a week, children will focus on problem solving around one particular objective (see separate document) and complete work in their arithmetic books.

Times Table Sessions

In Years 3-5, children will have a weekly times table session where they are explicitly taught and practise a timetable one week and then have the opportunity to practise their times tables through games and tasks online the following week following a programme (see separate document). Children will track their progress with a times table tracker inside arithmetic books.