## Non-Negotiables:

- All lessons must include opportunities for children to develop Fluency, Reasoning and Problem Solving skills.
- All lessons must offer Greater Depth opportunities for higher achievers
- Children must be taught to understand Mathematical structures through the use of models and images
- Children should be guided in their reasoning through the use of Stem Sentences and explicit use of accurate mathematical language by the teacher and children.
- The Units below MUST be taught in this order - Please discuss with your Maths Leader if you wish to change this for any reason.


## Assessments

- Daily recording in maths books inform instant interventions and adapt lessons to meet the needs of all learners
- Fluency Tests to be taken once every half term
- Previous SAT papers will be used from the Spring Term (Year 6) Autumn term
- Children take KS2 SAT papers in May (Year 6)
- Testbase Assessment to be taken at the end of the Summer term (Year 5)
- NFER Assessments taken in Autumn, Spring and Summer term (Year 5)


## Other Points:

- Mental Oral Starters can be used to fulfil part of fluency but should also be used for a fraction, decimal and percentage equivalence EVERY week and an opportunity to consolidate and revisit previous learning from other units. Initially, these will be used to apply skills learnt from previous years until the subject areas are covered in Year 5
- Any weeks left at the end of each term should be used for closing the gap and giving children the opportunity to apply their learnt skills to a real life context through reasoning and problem solving activities
- Ensure we use concrete models and images to support understanding of all 4 operations.

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Problem Solving and Reasoning Questions Support
    - ISee Reasoning for reasoning question
    - White Rose units stated above for Problem Solving and Reasoning questions
    - NRICH use the curriculum maps to current teaching (https://nrich.maths.org/teacher-primary)
    - White Rose/Diagnostic Questions - https://diagnosticquestions.com/whiterose You will need to sign-up to this website.
Greater Depth Questions Support
    - NCETM Mastery and Greater Depth - https://www.ncetm.org.uk/resources/46689
    - Mastery with Greater Depth Textbook - See Maths section on Teams [ I See Reasoning
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## Models and Images Support and Ideas

- NCETM Spine Resources - https://www.ncetm.org.uk/resources/50640 - This can also be used to support subject knowledge





