

National Agenda 2021 - Action Plan

Maths

| Year | Common Area of focus | Specific area of Focus | Modification curriculum | Strategies | When & Where |
|--------|----------------------|--|---|---|---|
| Year 2 | Problem solving | Solve multiplication and division number sentences | Reinforcing multiplication & division | Recall multiplication and division facts. Puzzles /using cubes /counters/flash cards solving given number sentences. | Registration time/ Twice a week |
| Year 3 | | Statistics | Organise, present and interpret data | Real life connection task. Home learning –links shared with parents to support | Weekly Home learning |
| Year 4 | | Geometry | Identify & describe properties of shape. | Real life connection task. Home learning –links shared with parents to support. | Maths challenge questions based on the topic. Home learning. |
| Year 5 | | Measurement | Estimate ,measure and convert –metric units | Real life connection task. Home learning –links shared with parents to support. | Lesson starter, Home learning and weekly Maths challenge Task. |
| Year 6 | | Word problems involving decimals | Real life connections task e.g. Foreign exchange activities | Home learning, lesson time. | Lesson starter, Home learning and weekly Maths challenge Task. |

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|------------------------|------------------------|--|--|--|
| Years 7,8,9 | Problem solving | <p>Identified the gaps in the curriculum content and have reviewed the SOW with extended teaching time for the topics</p> <ul style="list-style-type: none"> - In year 7, directed numbers in Term 1 to be taught for 4 lessons with challenge questions. - In year 8, Geometry topics like Angle facts, circles , volume area , Algebra and percentage conversion to fraction and decimal needs to have extra teaching time of 2 lessons each. - In year 9 – ratio proportion is the topic with 3 lessons extra. | <p>Use of leap lesson to assess the students facts and conceptual understanding.</p> <ul style="list-style-type: none"> - Use of TIMSS questions on temperature in the classes - Mental maths questions at the beginning of the lesson - Opportunities for students to create problems so they can peer check and solve. - In year 8 all students to work on high-level questions on algebra, the vocabulary to correctly used. - In the current cohort of year 7, early introduction of algebraic expressions and revisit the topic while doing linear equations lesson. - In year 9 (current cohort) more challenge questions on algebra , application of algebra into geometry and correct reasoning. | <p>LEAP lessons</p> <p>Starters</p> <p>Mid-plenaries</p> <p>Home Learning</p> <p>In Lessons</p> <p>Home Learning</p> |
| | Word problems | <p>Years 7, 8, 9 – through PTM data analysis, we identified that word problems in all strands is weak.</p> | <p>Challenge in all lessons. TIMSS based questions in relevant topics use of learning in algebra and geometry topics across KS3. Game based learning used for substitution of expressions Hands on learning used in circles for year 8.</p> | <p>In Lessons</p> <p>Home Learning</p> <p>Assessments</p> |