

# Mathematics. Academy Improvement Plan Priorities school year 2017-18.



## Summary of top priorities

Developing end of year non-negotiables for mathematics in each year group.

- Support transition into each year group for learner and teacher.
- Identify on track and yet to be at age related learners.
- Put in place teaching to close the gap with priority on non-negotiables.

***“I want to get better at writing numbers – I will keep on trying.”***

***“Maths drawings help me.”***

***“I Like using numicon, cubes. Its easier it has holes they tell us what number they are.”***

***“Times table club it’s a bit challenging. Division I had a challenge 248 / 3. I like choosing my own resources”***

Support high quality mathematics teaching and learning

- Reviewing use of manipulatives and appropriateness to supporting different areas of learning.
- Sharing best practise, latest updates and resources to support teaching and learning as well as optimising workload.
- Reviewing aspects of mastery teaching and support teachers to develop mathematics pedagogy.
- Support teachers to develop learning opportunities for mathematicians to work at greater depth.

Develop learner confidence through mathematical fluency.

- Provide daily opportunities for children to develop fluency, rapid recall and efficiency in calculation.
- Regularly assess fluency to support teaching next steps.
- Identify key fluency metrics for each year, including non-negotiables.

***“8x and 7x – putting more times tables challenges. Maybe we could test each other. “***



***“I like the challenges”***

***“I want to get even better at solving trickier questions with mental maths rather than a piece of paper (written method)”***

Extend provision for supporting learners yet to be on track with age related expectations

***“I want to get better at using the resources.”***

- Roll out and extend maths counts intervention program including to small groups in KS2
- Review and support keep up mathematics to support children slower to grasp a new concept (including pre-teaching).

