

Maths at Ladbrooke

INTENT

Aims

Through high quality provision, children at Ladbrooke School will become competent, confident, resilient and independent mathematicians, who take risks. They will be presented with a variety of mathematical opportunities and enjoy a deeper level of learning. Children will be able to talk about their mathematical learning and, using what they know, make links.

IMPLEMENTATION

Approaches to learning

- ❖ Highest learning expectations
- ❖ Daily lessons
- ❖ Purposeful deployment of adults
- ❖ Fast feedback throughout the lessons
- ❖ Teaching style – concrete/pictorial/abstract
- ❖ Use of resources within lessons
- ❖ Use of WhiteRose material to plan and deliver
- ❖ Supplementary materials
- ❖ Blocked units
- ❖ Whole school policies and progression maps
- ❖ Cross-curricular opportunities
- ❖ Using terminology within other subjects
- ❖ Discrete arithmetic lessons
- ❖ Build on previous learning
- ❖ Differentiation - Challenge
- ❖ Going deeper
- ❖ Varied fluency
- ❖ Reasoning – talk for maths, “I know that...”
- ❖ Problem solving – including real life.
- ❖ Using environment to support
- ❖ Effective staff meetings
- ❖ 6 A Day – revisiting maths outside of lessons
- ❖ Home learning
- ❖ Parental support
- ❖ Maths cards
- ❖ Rockstars – improve speed
- ❖ NYMA competition – winners! Wider development of maths
- ❖ Working walls
- ❖ Use of Doodle to close gaps
- ❖ Raising maths profile through assemblies

Interventions

- ❖ Targeted support
- ❖ Pre and post teaching
- ❖ Doodle
- ❖ Sandwell benchmarking
- ❖ Challenge group
- ❖ Use of specialist consultant to support teachers

IMPACT

How do we assess and measure the impact of Maths at Ladbrooke?

- ❖ Pupil voice
- ❖ Moderation – cross schools
- ❖ Book looks
- ❖ Learning walks
- ❖ Pupil progress meetings
- ❖ Children responding to GPQs
- ❖ Success Criteria
- ❖ Mastery in maths
- ❖ End of unit/term/year/key stage assessment
- ❖ Blocked unit pre and post assessments – inform planning
- ❖ Multiplication tables check results
- ❖ Arithmetic progress year on year
- ❖ TT Rockstars/Doodle
- ❖ Analysis of end of year assessments