



Mathematics at Archbishop Cranmer C of E Primary Academy

Pedagogical Approach and Strategies

- Scheme of work is progressive and sequential using a mastery approach: pupils systematically acquire core mathematical facts, concepts, methods and strategies to be able to experience success when problem-solving and in order to become proficient mathematicians.
- Scheme of Work with weekly assessment to ensure 'keep up'. Variety used where appropriate: White Rose, NCETM, Focus Education.
- Weekly Times Table testing, practice and homework in KS2
- Daily arithmetic/ Fluent in 5
- Rekenreks with NCETM Mastery Number Programme in KS1
- Practical resources for all abilities
- Mixture of fluency, problem solving and reasoning questions: declarative (facts) and procedural (methods) knowledge taught. I know that and I know how to...
- Whole school Calculation policy
- Stretch and Challenge used for deeper learning challenge for Greater Depth learners
- Maths Missions identified within Topic planning to ensure cross-curricular learning opportunities

Interventions and Provision for Vulnerable Groups

- Maths intervention groups
- Focus Group sessions where needed
- Power of 1, 2, Time, Times Tables materials
- Precision Teaching
- Pre-teach opportunities
- Year 6 Booster groups
- Greater Depth sticker challenges – White Rose, NCETM and Focus Education Greater Depth reasoning questions used
- Busy Ant Stretch and Challenge books used to extend thinking for Greater Depth pupils
- Wide range of resources and source materials used to enable all children to reach beyond expectation.

Assessment

- Termly summative assessment tests for each year group
- Past SATs papers in Year 2 and Year 6
- Statutory teacher assessment frameworks in Year 2
- Learning walks, moderations, observations
- Ongoing teacher assessments
- Foundation, Year 2 and Year 6 baselining
- Yearly governor visit to monitor teaching of mathematics and talk with the children
- Pre-assessment tests at the start of each unit and post unit assessments
- Termly OTrack data input
- AfL to inform flexible grouping
- Focus Groups to 'keep up' not 'catch up'

Environment

- Creative and engaging classrooms with accessible maths support displayed – numeracy rich environment
- Active working walls
- Instant access to whiteboards and pens
- Practical resources available for lessons as needed
- Wide range of mathematical language used
- Access to iPads/ Samsung tablets for maths games
- Children's achievements celebrated – Gold Book Assemblies, Wall of Excellence

Timetabling

- Weekly Times Tables testing in KS2
- Weekly intervention groups/ Focus groups
- Daily 10-minute sessions – Fluent in 5
- Minimum 4 hours of formal morning maths lessons per week
- All children follow White Rose Programme of study to ensure full curriculum coverage and progression (previously Busy Ants)

Staff CPD and Induction

- Termly staff meetings to disseminate training and share best practice
- CPD courses throughout the year, as required and relevant
- Shared PPA in KS2, used to feedback and set new learning
- Close partnerships with other schools in Aspire MAT, Toot Hill Family of Schools and NCETM Y5-8 continuity programme to develop practice and provision
- NCETM Mastering Number Programme training with rekenreks in EYFS and KS1
- NCETM Mastery Approach Programme.
- Maths moderation across the MAT and Diocese, including networking
- Learning walks and book looks to highlight areas for development and share good practice
- New staff given clear guidance and support with teaching using scheme of work
- Whole school Calculation Policy and scheme of learning used by all staff

Maths Community

- Times Table / division given for homework each week
- Online times tables challenges
- Celebrate achievements in Gold Book assemblies in front of parents and carers

