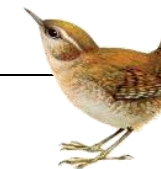


# Maths at Wren's Nest Primary School



At Wren's Nest we believe that maths is an essential skill that is needed to meet the demands of everyday life. Being numerate will greatly improve the life chances of our children. Our maths curriculum aims to nurture a love of mathematical creativity through mastering fluency, reasoning and problem solving. Lessons are structured using White Rose Schemes of Work supported by materials from the NCETM, NRICH and other credible providers, ensuring a rigorous, sequence of learning that enables children to build on prior knowledge and make links to new areas of learning. At Wren's Nest we appreciate that children should be exposed to maths across the whole curriculum, giving children a real life understanding of the concepts they are using during maths lessons. Above all, we want our children to enjoy maths, feel pride when solving problems and develop a resilience as they continue their learning journeys.



## Big Ideas

- ✓ Number Sense
- ✓ Representation
- ✓ Patterns
- ✓ Problem Solving
- ✓ Reasoning
- ✓ Fluency
- ✓ Estimation
- ✓ Spatial Awareness
- ✓ Resilience
- ✓ Logic
- ✓ Variation
- ✓ Mathematical Thinking
- ✓ Coherence



## Content and Sequencing

### White Rose Maths - a scheme of work from EYFS to Year 6.

- ✓ The White Rose Maths Curriculum is cumulative, so that once a topic is covered, it is met many times again in other contexts. For example, place value, the building blocks of all maths, is the first unit to be covered in Autumn 1. However, it is continually revisited as children progress through the year. To further support spaced repetition of key topics, Flashback Four quizzes are introduced at the start of many lessons. These quizzes are all based on previous learning and give children the opportunity to make links across the curriculum. White Rose schemes of work have been carefully constructed to ensure that there is complete coverage of the National Curriculum. To complement White Rose Maths, and to ensure consistency, we have also produced the Wren's Nest Calculation Policy, a visual aid for learning across the whole school.
- ✓ Multiplication Monday allows regular, structured teaching of times tables and associated facts in Years 1-6. The "Times Tables at Wren's Nest" document provides a structure for the teaching of times tables, giving a research-based order to the teaching allowing children to build on previous knowledge when exploring times tables in a variety of ways
- ✓ To support the teaching of maths, we also use many resources from the NCETM (the Ready to Progress document informs and complements planning and teaching across school), NRICH and online providers such as TTRS (Timetable Rock Stars).



## Cross curricular links

- ✓ Direct links with:
  - History
  - Geography
  - P.E.
  - Design and Technology
  - Enrichment activities e.g. Working with a STEM Ambassador
- ✓ Wren's Nest Schema Webs of Food, Fashion and Technology



## Retrieval

- ✓ Quizzes
- ✓ Tasks and activities
- ✓ Flash Back 4
- ✓ White Rose Unit Assessments
- ✓ Timetable Rock Stars
- ✓ Stick and Split
- ✓ Schemas of learning
- ✓ Cross Curricular skills transfer
- ✓ Homework



## Progress

- ✓ OTrack - formative and summative assessment system
- ✓ In school standardisation and external moderation
- ✓ Targets in Books
- ✓ Assessment for Learning
- ✓ White Rose Unit Assessments
- ✓ Low-stake quizzes
- ✓ Flashback Four
- ✓ Children's books
- ✓ Content mapping of the skills and knowledge of the curriculum
- ✓ Working Wall
- ✓ Mathematician of the Week



## Support

- ✓ Inclusion for all children
- ✓ A mastery approach to teaching and learning
- ✓ Children in provision sets to access strength lessons
- ✓ Concrete Resources
- ✓ Table Resources, e.g. multiplication grids
- ✓ Calculation Policies - visual
- ✓ Groups across school
- ✓ Interactive resources such as Stick and Split
- ✓ Adult support in the classrooms.
- ✓ Working Walls
- ✓ Central Maths Hub
- ✓ Regular staff CPD
- ✓ Collaborative work with North Dudley Schools