

How we Teach Maths at Homerswood

- Using a **mastery approach** where we incorporate representation and structure, variation, fluency and mathematical thinking into each of our lessons.
- Inclusive approach whereby all children are given the confidence to achieve through low threshold high ceiling tasks.
- Slower pace which results in greater progress and develops a deeper long term and adaptable understanding of mathematical concepts
- Scaffold learning through depth rather than acceleration (This is our 'differentiation')

Essential Planning....

- Essential planning from Reception - Year 6
- Spiral curriculum where learning is built upon step by step, sequence by sequence and year on year.
- It is aspirational and ensures progression and coverage through the primary phase.

In the classroom...

- Scaffold (Support learning)
- Flexible working/groupings
- Maths talk regularly which at times is aided by using Speaking frames
- Deeper thinking activities throughout for all when they are ready
- Applying maths knowledge to a variety of different concepts
- Reasoning to develop conceptual (meaning behind the maths) understanding rather than procedural ('we do it like this because that is the way to do it') understanding
- immediate feedback - 1:1, groups, verbal, written

Daily Fluency...

- Purpose - allow for rehearsal of core knowledge and skills, in short bursts, to improve pupils' fluency.
- whole class
- broadly pitched at age-related expectations
- daily
- 10-15 minutes
- in addition to the maths lesson
- five key areas (slides), based on skills previously taught (not new learning)
- slides are repeated each session with a minor adaptation, to build fluency, and only changed once pupils are secure/fluent

How we assess Maths...

In lessons:

- Questions - why? How do you know? Show me a different way.... Prove it...Convince me...
- Destination questions
- immediate feedback (Feedback guidance/policy)

Termly:

- Diagnostic tests to identify gaps

Working Walls...

- Work reflects the current learning sequence work
- any other relevant work
- speaking frames

- Mathematical vocabulary

How we celebrate Maths...

- Regular sharing of work amongst year groups
- Celebrating Maths on website
- Marvellous Me Assembly sharing certificates
- Maths workshops at other schools
- Parent workshops
- World Maths Weeks
- Maths Competitions
- Maths Club
- Maths Buddies