



Mathematics Policy Appendix

Planning

Use the school planning proforma to show weekly overview – see the planning template for further details.

White Rose Maths (WRM) online resources to be used to plan lessons, but the scheme must be adapted to suit the needs of the children. Where maths resources from Power Maths, AET and other previously used schemes exist, they can still be used to supplement the WRM curriculum.

Books

Blue squared books – larger squares for KS1, smaller squares for KS2

The date must be written in numerals at the start of each piece of work.

Marking sticker – to be stuck into books at the start of each unit. This will have the composite and components on for the current unit of learning (KS 1 only).

Lower KS2 to use a composite sticker for the start of the week or unit, daily component title to be written by the child at the start of each lesson and underlined with a ruler.

Upper KS2, composite and component to be written at the start of the piece of work and to be underlined with a ruler.

Teaching

Lesson Structure:

All mathematics lessons at Emneth and Southery Academy follow this structure:

Starter Activity – to promote fluency of arithmetic and the non-negotiable concepts

Recap on prior learning

Key vocabulary to be introduced and discussed

Introduce New Learning using the Mastery Approach.

Tasks – these will enable the child to implement their new learning.

Further tasks to deepen understanding; to consolidate and challenge – ‘a step for depth.’

Resources

Resources are to be used to support the learning in lessons and should freely be accessible to all pupils.

Use AET and Power Maths resources to support the WRM curriculum, where relevant.

Working Wall

Mathematics should be visible in all classrooms and there should be an interactive working wall.

The working wall should contain:

- **Relevant concrete apparatus** – which should be readily available for all pupils to refer to.
- **Key vocabulary**,
- Pictorial and abstract **representations**.
- **Calculation Policy** to be readily available for ease of reference.

Homework

WRM workbooks to be sent to parents via Dojo – relevant to current unit of learning. These are free to download and are available on the WRM website.

Power Maths text books to be used for homework in all year groups– a photocopy sheet is to be sent home with the children. This must be clearly labelled as homework and when this is returned it is then to be stuck in their maths book.

Year 6 pupils will also use the CPG revision guides for homework.

Assessment

WRM end of unit assessments to be used for formative assessment purposes.

PIXL assessments termly for summative assessment purposes.

Teacher judgements in mathematics to be uploaded onto Pupil Asset before the end of each term

Teaching for Mastery

The Mastery Flow Model – uses **Show, Do, Think, Explain** and **Solve** language.

Show- use concrete resources to demonstrate the mathematical concept

Do – now do some of your own

Think – completing the taught maths element confidently

Explain – explain your mathematical thinking – sometimes by doing a written explanation

Solve – Solve one or two step, worded maths problems.

This terminology is to be displayed on your maths working wall and used within the lessons.

Adaptive teaching

The coverage documents can be used flexibly; they show a 12-week term so assessment weeks and consolidation / buffer weeks should be included. Teaching weeks can be adjusted to ensure complete coverage of the curriculum, however this must be discussed with the maths leader before doing so.

EYFS

Whilst there is no specific planning for EYFS there is guidance which has been divided into ten phases which provide a variety of opportunities to develop the understanding of number, shape, measure and spatial thinking.

Early Years will record their maths based activities on Tapestry and use blue squared books for occasional maths work.

Times Tables

Numbots for EYFS and Year 1 – logon details can be shared with parents for children to continue with at home.
TTRockstars for children from year 2 onwards - logon details can be shared with parents for children to continue with at home.

See Times Tables long term plan for further details.