



## How we teach Mathematics at Shears Green Junior School

### What should a mathematics session look like?

- Approximately 60-80 minute session, five times per week.
- Planning should be flexible to allow for adaptations; however, it should have a clear structure.

#### Clear Learning Objective

A clear, child friendly objective shared with the class and an overview for the lesson given.  
Date and short title written in maths book.

#### Recap and vocabulary

Complete quick questions, based on gaps from the previous week's arithmetic tests, in order to recap and reinforce prior learning. Adults and children to use mathematical vocabulary when explaining answers. A specific times table will be chanted. Interactive recap of previous skills/ knowledge, may be completed on whiteboards.

#### Teach and vocabulary

Teacher to introduce/ recap a concept. A focus should be placed on drawing attention to clarifying/defining and modelling specific key mathematical vocabulary – which should be displayed in the classroom. **Teacher models** how to answer questions by 'thinking out loud'/ highlighting key information/ forming solutions and using mathematical language. Questioning, TTYP, manipulatives and oral rehearsal should be used.

#### Practice and Apply

**Teacher to model** how to respond to questions.

Tasks set are achievable, yet challenging and progressive/differentiated. White Rose workbooks are used to ensure a mixture of fluency, problem solving and reasoning questions. Where necessary, manipulatives and scaffolds are used to support learners. In-the-moment feedback given by teacher/TA. Adults may work with a focus group.

#### Recap and Review

Teachers should check that the children have understood the concept. Self/peer assessment may take place. Whole class may be feedback given at various points in the lesson, and misconceptions will be addressed. Review the learning, focussing on oral reasoning and mathematical language.

**Please remember a session should be:**

- Clearly modelled by the teacher.
- Interactive and engaging.
- Pitched accordingly.
- Appropriated paced.
- Utilise manipulatives appropriately
- Progressive.
- Appropriately scaffolded.
- Challenging but achievable.