

# Declarative Knowledge at St Just Primary School

At St Just Primary School, we want our children to know more and remember more.

Regular practice and repetitiveness of skills is the biggest aide to learning and retrieving the skills.

So...what do we do?

## Daily

- At St Just, we call them number bond sheets. In reality they are much more. From times tables, to division, addition facts (to 10, 20, 100) to subtraction the daily number bonds covers all areas, including shape, times etc...

The children do these on arrival to school as a settling activity every morning. It's a way to settle when they get to school and get straight down to learning. We mark together and give incentives to increase productivity e.g. house points for beating own score.

- Daily retrieval questions at the start of each lesson,

We use Flashback 4 or Daily 10 to complete daily retrieval questions. Flashback 4 is a concept taken from White Rose Maths, however the teachers have adapted and set their own questions. These are derived from past learning in order to know more and remember more. It may be to embed knowledge, or just recap in order for the children to retrieve more easily.

- Daily counting at the start (or end) of the lesson,

Starting from reception, adding in daily counting helps that rapid recall. Starting at 0, counting on and counting back in increments, or – starting from any number!



## Weekly

- Sumdog/TT Rockstars/Numbots – all children have access to this at home, however not all children have a device to play it on. Therefore, we all have a designated slot for maths in the computer room. Most classes use this to have 30 mins focus for half the class at a time.
- Club 99 – weekly 5 minute test of number fact recall. Starting in year 1 with Club 11 (doubles of numbers), the children then work through the clubs all the way until the Platinum club.
  - Club 11 – doubles of numbers to 10
  - Club 22 – repeated addition (2, 3, 5 and 10)
  - Club 33 – 33 multiplication questions (2, 3, 5 and 10)
  - Club 44 – 44 multiplication questions (2, 3, 4, 5, 6, 8 and 10)
  - Club 55 – 55 multiplication questions (2, 3, 4, 5, 6, 7, 8 and 10)
  - Club 66 – 66 multiplication questions (All tables)
  - Club 77 – 77 division questions (All division)
  - Club 88 – 88 multiplication and division questions (All tables)
  - Club 99 – 99 multiplication and division questions (All tables)
  - Bronze Club – 100 multiplication and division questions (All tables)
  - Silver Club – 100 all four operation questions
  - Gold Club – 100 all four operations, square roots, percentages, powers,
  - Platinum Club – 100 all four operations, square roots, percentages, powers, BIDMAS,
- Arithmetic Tests.

Created by Mr Bowman, these weekly tests for year 3-6 are geared towards preparation for the arithmetic test in year 6. The Year 6 children use a weekly arithmetic test in more of the SATs style format. The test is the same format each week, with different questions e.g.  $453 + 100$ ,  $746 + 100$  for the first question on the y3 paper.

Teachers keep a weekly record of scores – can the children beat their score weekly?
- Year 4 – weekly multiplication check