

Mathematics Learning at Winterton Primary School and Nursery

At Winterton Primary School and Nursery, we are committed to developing confident, fluent mathematicians. To support this, we provide children with access to two high-quality online platforms: **Numbots** and **Times Tables Rock Stars**. These programmes are used in school and at home to strengthen number fluency, support recall of key facts, and build strong foundations for success in mathematics.

Both platforms are designed to be engaging and motivating, while using adaptive technology to tailor questions to each child's individual needs. Secure knowledge of number facts reduces cognitive load, freeing up working memory so children can focus on problem-solving and reasoning with confidence.

Numbots

In Years 1 and 2, children have access to **Numbots**, a platform specifically designed to support early number understanding. Numbots focuses on developing secure number bonds and strengthening mental addition and subtraction skills. Through short, interactive activities, children build a deep understanding of numbers and how they relate to one another.

The programme adapts to each child's level, ensuring that learning is appropriately challenging while remaining accessible and enjoyable. By developing fluency with essential number facts at an early stage, Numbots helps children establish a strong mathematical foundation that supports future learning across the curriculum.

Times Tables Rock Stars

Times Tables Rock Stars (TTRS) supports children in developing rapid recall of multiplication and division facts. This is particularly important in preparation for the Year 4 Multiplication Tables Check (MTC), taken each June. The MTC consists of 25 multiplication questions up to 12×12 , with only six seconds to answer each question. Confident recall of times tables will make many other areas of mathematics significantly easier and support your children with curriculum success.

TTRS offers a wide range of game modes to suit different learners. These include *Jamming* (untimed practice), *Garage* (personalised questions that adapt to each child's needs), *Studio* (for confident learners improving speed), and *Soundcheck*, which closely mirrors the Year 4 MTC. Children can also take part in friendly competitions through *Festival*, *Arena*, and *Rock Slam*, encouraging motivation and enjoyment.

Both **Numbots** and **Times Tables Rock Stars** can be accessed on computers, laptops, and as free apps on Apple, Google, and Amazon devices. As the MTC is taken on an iPad, we encourage tablet use where possible to familiarise children with this format.

These platforms are most effective when used little and often. We recommend short, regular practice of around **three minutes a day**, which is sufficient to build fluency and confidence—any additional practice is a bonus.