

## Maths Enrichment Week 2023

including NSPCC Number Day & TTRS Relaunch

We were delighted to celebrate Maths Enrichment Week 2023, which combined the excitement of NSPCC Number Day with our school-wide relaunch of Times Tables Rock Stars (TTRS). The atmosphere throughout the school was buzzing with enthusiasm, curiosity, and mathematical thinking.

On Monday, children and staff arrived in a brilliant array of rock star outfits to mark the return of TTRS. The creativity and confidence on display set the tone for a joyful and energetic week of maths learning. Thank you to all families for your generosity - together, we raised £52.50 for the NSPCC, supporting their vital work with children.

Throughout the week, children took part in rich, hands-on maths challenges designed to deepen understanding, build problem-solving skills, and show pupils that maths is everywhere - creative, exciting, and full of possibilities.

### Hedgehog Class – Ramp Building & Distance Investigation

Hedgehog Class explored measurement and investigation through a practical, high-energy STEM challenge: designing and testing ramps to see whose toy car could travel the furthest.

Pupils:

- experimented with height, angle, force and surface texture
- predicted what might make a car travel further
- measured and compared distances using standard and non-standard units

This activity supported early reasoning skills, encouraging children to ask questions, test ideas and talk about their mathematical thinking.

### Squirrel Class – Outdoor Maths & Rocket Measuring Challenge

Squirrel Class took their mathematical learning outdoors with an engaging scavenger hunt focused on measuring, spotting shapes in the environment, counting, and comparing lengths.

Later in the week, pupils built paper and straw rockets, launching them across the playground and accurately measuring how far each one travelled. They discussed:

- what variables might affect distance
- how to record and present their results
- the fairness of testing methods

The combination of active learning and scientific investigation made mathematics meaningful and memorable.

### Fox Class – Projectile-Launching Robots

Fox Class embraced engineering, design, and mathematical precision by constructing robots capable of launching a projectile. This challenge required teamwork, resilience, and a strong application of measurement and estimation skills.

Children explored:

- angles and trajectory
- force and distance
- predictions and data collection

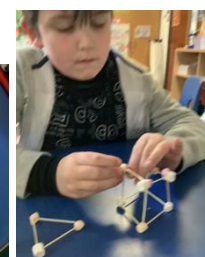
Fox Class demonstrated impressive creativity, and their calculations and problem-solving skills led them to some very successful launches!

### Owl Class – Codebreaking & Ciphers

Owl Class stepped into the world of cryptography, learning how codes, patterns and number systems have been used throughout history.

Pupils:

- learned about substitution ciphers
- explored frequency analysis
- cracked coded messages
- created their own ciphers for others to solve



This activity highlighted how mathematics underpins logic, communication, computing, and real-world problem solving.

## **Whole-School Challenge: NSPCC Rocks!**

Throughout the week, all classes took part in our exciting 'NSPCC Rocks' challenge using Times Tables Rock Stars or Numbots.

Each class was challenged to achieve:

- the highest average number of correct answers, and
- the greatest overall improvement in accuracy and speed

The competition created a wonderful buzz across the school as children practised eagerly at every opportunity.

## **★ And the winning class was... Fox Class! ★**

Their determination, teamwork and sheer mathematical effort were outstanding.

## **Impact of Maths Enrichment Week**

Our Maths Enrichment Week:

- strengthened fluency, especially in key number facts and times tables
- deepened reasoning and problem-solving skills through hands-on investigation
- boosted mathematical confidence and engagement
- highlighted cross-curricular links with science, design technology, computing, and PE
- promoted a love of learning, curiosity and resilience
- supported positive attitudes towards mathematics across the entire school community

Most importantly, pupils left the week feeling inspired, empowered and excited about maths - seeing themselves as mathematicians.