Numeracy Report Spring 2023-2024

STF

This term we have all worked hard on our bespoke numeracy curriculum which focuses on early numeracy skills including number sequences, understanding numerals, spatial patterns, finger patterns and temporal patterns and sequences. We have all made excellent progress and achieved many skills on our trackers.

We have also worked very hard on our numeracy skills through planning in the moment, we have used lots of counting and problem solving through play. For example, children focused on counting totals and sharing when using the play kitchen. Additionally, learners have worked on understanding patterns through using the playdough.

During our Cynefin project we did a lot of work with money and using money in real-life contexts. We were able to work out totals up to £1 during our visit to Tesco's café and work out change when we ran our community café.

Nursery

Our class routines support Nursery's mathematical development every day. We count and write the magic number of children in class. We sing lots of number songs and practise lots of number games. This term, we have practised our money and counting skills in our Farm Shop role play area. We have been working on counting reliably with different toys and resources and starting to recognise numerals.

Reception

In Reception we follow the WhiteRose scheme of work. A lot of work is practical and through games and fun activities both indoors and out.
We use a range of resources and manipulatives to support our investigation of number. This term we have been learning about the numbers 8, 9 and 10. Through our maths work we investigate every aspect of each number. How to write and read them, how to make them using numicon, items, 5 frames and 10 frames and how to use then in addition and subtraction.
After reading the story "Pattern Fish" we created our own more complex patterns using shapes ad colours. We played clapping games to follow and create our own patterns.
We have been learning about 2D and 3D shapes. We sorted them using sorting hoops, this helped us to talk about them and created them using playdoh. We have used them to create a range of buildings and pictures. Through our play and exploration we were learning about the properties of the shapes and their names.

Year 1

With the effective use of resources from Master the curriculum & the blocking of White rose maths, pupils have gained better understanding of place value within 50; both practically as well as in the books. Beginning with counting forwards and backwards to 20, students progressed to confidently identifying one more and one less within 20. Impressively, the majority of students extended their skills to extending within 30, with some up to 50. Throughout the year, pupils have been very keen to learn more about addition and subtraction, therefore this was our next focus, pupils added / subtracted 1 or 2 digit numbers.

We then continued to focus on measuring objects using non-standard units, this was highlighted as a memorable and engaging practical activities for the pupils; where they went around the whole school to measure objects. After gaining a clear understanding of non-standard units, we then went on to use standard units (cm). To finish off our term, we finished with describing and comparing volume, this was a very engaging, fun focus as the pupils used our outdoor area / water area to measure different containers. We encouraged using language such as 'more' 'less,' and 'equal'. This linked nicely with our previous learning focus; measuring with standard units; pupils were able to measure the water using cm.

Year 2

In the Spring term, Year 2 continued their focus on Addition and Subtraction, paying more attention to 2 digit numbers and through bridging to the next ten. Additionally, they explored, 2D and 3D shape and their properties practically and sorted them by different categories. They also explored symmetry in many ways in the environment, through using paint and making craft and also using mirrors. Then, we focused on Measuring by looking at Length and Capacity/Volume which linked extremely well with our exploration into the River Tawe. During this we looked at estimating and improving our accuracy when measuring using a ruler or a scale on different containers. During *Cymru a Fi*, we conducted some data handling tasks which looked at welsh foods. Finally, we begun to focus more on Counting on in different increments leading into multiplication.

Year 3

During the Spring Term, Year 3 focused on times tables. The children focused on the 2,3,4,5 and 10 times tables looking at the groups of method through group and individual practical tasks to help visualise the multiplication sums. Outdoor learning also focused heavily within this topic as the children regularly had multiplication lessons in the outdoor area, where the children completed problem-solving tasks with the focus on multiplication. The children also learnt how use the long multiplication method as a class, in small groups and individually. Another method that worked very well was learning times tables songs. One of their favourites was the times tables song to the George Ezra song Green Green Grass. The repetition and likeability of the song consolidated the learning for the pupils and aided them when completing their classwork. To end the multiplication topic the children took place in a times table gameshow in their ability groups called

Times Table Titans. The children had to activate their prior knowledge, use their teamwork, communication, problem-solving and resilience to complete the three practical tasks. The children grew in confidence and their progression was evident due to the repetition and practical elements to the tasks which work very well with the learners.

Year 5

In Maths this term, Year 5 started learning about fractions. Pupils identified fractions of shapes and numbers, ordered and compared fractions. The class also looked at finding the number of a fraction with varying numerators while developing reasoning skills, completing fraction related word problems. The class then moved on to show understanding of the relationship between fractions, decimals and percentages. They converted fractions to decimals and percentages. They also calculated percentages of numbers and developed adding and subtracting decimals skills.
For the second part of the term the class looked at measuring and recording length. Measuring and calculating perimeters as well as the area of a variety of shapes and objects, including rectangular, non-rectangular and triangular 2D shapes. The class took advantage of the better weather with multiple outdoor learning lessons, measuring and calculating a range of outdoor objects and areas while developing their reasoning skills. During this focus the class recapped adding and multiplying multiple digit numbers to help them calculate both perimeter and area.
To finish the term, the class predicted, weighed, recorded and compared a range of objects in the classroom. The pupils looked at reading measurements of weight and converted units of weight/mass.

Year 6

During welsh week this term, in maths sessions Y6 explored measuring through cooking welsh foods. Children weighed ingredients and read different, measuring scales. We explored time through timing baking.
As part of Cynefin we explored coordinates by using Ariel photos of the schools and listing areas of the building using coordinates.