







# Maths Week



The week before half term Danson Primary School enjoyed an exciting Maths Week. The children took part in a range of activities throughout the week and had an amazing time. Each day had a different focus to inspire and interest the children in a variety of areas of maths:

<b>Measurement Monday</b> 	<b>Talking Tuesday</b> 	<b>What's the time Wednesday</b> 	<b>Throwback Thursday</b> 
<p>On Monday, the whole school focused on measurement in maths. The children explored measurement in different ways from practically measuring objects using both standard and non-standard units of measure to converting measurements between miles and kilometres.</p>	<p>On Tuesday, we introduced various sentence stems to support the children to speak in full sentences and articulate their reasons. This included - 'If I know, then I know' and 'I think that..... because'.</p> <p>It was fantastic to hear these sentence stems being used by the children during their lessons throughout the school.</p>	<p>We had 'What's the time Wednesday', where children looked at both analogue and digital clocks to tell the time.</p> <p>The classes focused on reading and writing the time. This included learning o'clock and to half past in Year 1, quarter past and quarter to in Year 2 and moving on to reading to 1 minute in Year 3. Upper Key Stage 2 applied their knowledge of time when calculating the duration of time for different journeys and also calculating time in different time zones.</p>	<p>Thursday was our 'Throwback Thursday' event. This is part of our retrieval practice when teachers looked back at previous concepts of maths to recap and support children in making connections to future learning.</p> <p>Classes looked at a variety of topics such as previous timetables in Year 4 and three-step addition and subtraction reasoning problems in Year 5 and Year 6 where they had to pick out key information from different questions in order to solve them.</p>

## Maths Workshop

We also had an amazing workshop for the whole school about measurement. Children had the opportunity to use balloons to make different shapes and estimate their area and perimeter.



## Dress up Day

On Thursday the children dressed up as different maths concepts, math apparatus or as jobs they would like to have when they are older that would use lots of maths. Costumes also included our maths software avatars with lots of children dressed up as Numbots or a Rockstar from TTRS. Thank you to all our children and parents, the costumes were AMAZING!!!!

Please see below some of our award winners.



The names of the winners are as follows:

Costa P, Ellen H, Leah B, Alice K, Ashmitha S, Rose K, Cataleya H, Louis L, Matas K

## Maths Volunteers

As part of Maths Week, we welcomed volunteers into Danson. We were delighted to have then chat to the children about their jobs and how they use maths beyond the classroom.

Dr Darion Grant is a Geospatial Scientist who creates 3D models by using 2D images. He spoke to the children about the use of maths in Photogrammetry, where we use geometry to calculate positions based on images. Dr Grant explained that by doing this it allows us to obtain 3D models from 2D images and can be used in 3D printing.

What our pupils thought about this workshop:

***"I loved trying to touch the tip of the pencil on my partner's head with one eye shut. It showed me how hard it can be. We learnt all about perspective and that it is better to look at things with both eyes open." Martha, Year 5.***

***"I learnt about geometry and that using our eyes is like a triangle as we are creating 2***

***of the same angles when looking at objects.” Isla, Year 5.***

Our second volunteer was Miss Shubotham, who works as the church leader at the Salvation Army. She uses maths by creating funding streams and budgets to keep track of how money is spent and ear marked throughout the year. Miss Shubotham spoke to the children about how savings can be made each year by thinking about where products are bought from and how to get best value for money to ensure every penny and pound make a difference.

What our children said about this workshop:

***“I loved how we looked at saving money by making simple changes. It helped me to understand where to buy things from and how they are cheaper.” Ashviga, Year 6.***

***“I liked how we looked at the shops that we picked and saw how the same item can be different prices in different shops.” Samridh, Year 6***

Our third volunteer was Mrs Jo Keal, who is an Econometrician who uses statistical and mathematical methods to analyse data sets and make predictions to see what factors affect something. Mrs Keal explained to the children how her job uses maths to work out when is the best time for different companies to advertise their products.

What our children said about this workshop:

***“I loved the workshop and thinking about when is the best time to sell Danson ice cream.” Year 5 pupil.***

***“I liked how Jo explained how she uses maths in her job and the advertising she does in many different ways to make better sales for her companies.” Reign, Year 5.***

We would like to say a massive **THANK YOU** to all our volunteers who took the time out of their busy schedules to share such amazing examples of how they use maths in their jobs. You have greatly inspired our next generation of mathematicians!!

## **The Shop!**

We brought maths into a real-life context through hosting classroom shops. Children got to experience the important life skills of exchanging money, working out the correct coins and calculating change.

An important part of our curriculum at Danson is learning about money and we are proud to be members of the Centre of Excellence in Financial Education. Before the event even took place, some children in KS2 had a budgeting meeting in which they discussed what were the best products to buy with the money in order to make the most profit. The children realised that they could buy multipack products and then sell the items individually to make a profit.



### EYFS and KS1

In EYFS and KS1, children took part in a 'Bring and Buy Sale' to raise money for school funds and important maths resources. Pupils kindly brought in donations that were age-appropriate and inspired purchases to be made. Children priced their items and were supported in buying things from the sale and acted as 'shopkeepers'. The pupils explained what they thought as well:

*"I think the shop was good because if you had more money, you could get change and buy more things." Amelia, Year 1.*

*"I bought a toy car that cost me £2. I had £5 and then I bought some sweets which were 50p and with my last £1 I bought a book. I liked the shop because it was massive."*

### KS2

In KS2, children took part in the '£20 Shop Challenge'. Each class was given £20 to spend on items with the challenge to sell all their items and make the most profit for their class. Children priced their items and were responsible for selling and buying things from the sale.

*"I have loved exploring the shop and learning all about money. I was able to apply what I learnt last year to help give change to people." Elsie, Year 3*

*"I loved looking at and trying to work out how much profit my class had made throughout the week. I enjoyed bringing in money and spending it on what I wanted to buy." Summer, Year 4*

*"I liked that we could buy the things that we wanted first and then price them up as a class." Joshua, Year 3.*

Our teachers also enjoyed the shop, here is what they said:

*"The children have started to understand the value of money and see what they are able to buy. Also, it has helped them look at budgeting to see if they have enough money for everything."*

*"They have loved using their own money to buy things and work out how much change they have/need."*

*"Maths week is my favourite week in the whole year. I love the maths shop, because it helps the children understand the value of money. This year I did a fire sale and took 20% off the original price. This allowed the children to really think about the money they were spending and how others would feel if they bought it at full price. When we look at money in maths this year I will remind the children of the shop and what we did. I will set a shop up in class to help with their maths retrieval."*

The shops across the school were highly competitive and as you can see and thoroughly enjoyed by all!! The winner of the competition was **Franklin Class** who made an incredible **£351**. The total amount of money raised was an amazing £2249.07! Well done everyone!!

**Maths Week was a huge success and we would like to say a massive thank to our staff team who helped organise such a wonderful week and create some wonderful learning tasks for the children. We would also like to say thank you to the Danson School community for providing items for the shop, to enable the children to enjoy all the buying and selling activities that occurred throughout the week.**

Mr Ewen and Mrs Beazley  
Maths Team