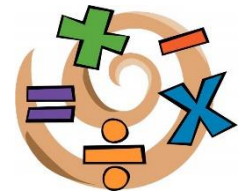


# Maths Week



Last week, Danson Primary School enjoyed an exciting Maths Week with a range of activities in lessons and beyond. Each day had a different focus to inspire and interest the children in a variety of areas of maths:

On Monday, the Key Stage One children learnt about money, what the different coins represented and how much they are worth. This supported them to buy different items from the shops. The children used this knowledge to help them calculate change, which they did using the part whole method.

Our Key Stage Two used this knowledge to calculate what coins they would need and a variety of word problems with larger amounts of money. This supported them in calculating change and combining amounts. It also helped them to work out how much profit they made and how to cover their costs.

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'. It was fantastic to see and hear some all of the children use these in their lessons throughout the school. Year 1 children were amazed that they could select one 50p coin rather than fifty 1p coins and explained - "I know this because 50 1ps are the same amount. I thought I would have to have all the 1ps".

We had 'What's the time Wednesday', where children looked at both analogue and digital clocks to tell the time. Few children see analogue time these days as we live in a digital world, so this can be a rather abstract concept. 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 recapped reading the time and also applied this to time problems.



Thursday was our 'Throwback Thursday' event. This is when the teachers looked back at a previous element of maths to recap and support children in making connections to future learning. Classes look at a variety of topics such as previous timetables in Year 4 and fractions in Year 5 and Year 6.

An important part of our curriculum at Danson is learning about money and we are proud members of the Centre of Excellence in Financial Education. Friday was Financial Friday. The children had an exciting time discussing their outfits as many dressed up in what they wanted to be when they are older. They also discussed the impact of the financial difficulties in the world. Each year group continued to learn about the subject of money which included topics such as the value of money, different ways to pay, exchange rates and money in other countries.

### What did our teachers say?

Our teachers planned the events into their timetable. Here is what they said about Maths Week:

*"In Maths Week, I liked seeing the children's enthusiasm for the maths shop and the two visitors we had on Friday - I would have happily listened to them for longer!"*

*"I have enjoyed seeing the children excited about Maths and how they are using their skills learnt in Maths lessons in the outside world."*

### Dress up Day

On Friday was our dress up day for the whole school. The children dressed up as what they wanted to be when they were older or something maths related. There were several award winners as you can see from below, congratulations to you all - there were some excellent outfits.



## The Shop!

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

### 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 acting 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."* Jack, Year 1.

*"I thought the shop would be smaller, but I was surprised. One of the things I got was a diary. I wanted chocolate, but I did not have enough money as it was 50p and I only had 10p."* Veda, Year 2.

*"I bought an aeroplane that cost me £3. I had £5 and then I bought some chocolate which was 50p and with my last £1 I bought a book. I liked the shop because it was massive."* Shye, Year 2.



## 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.

Our children enjoyed the shop:

*"We've really enjoyed making lots of money in the shop and getting Mr Welsh to buy things." Year 3 pupil*

*"I have loved exploring the shop and seeing all the different things that I can buy. I have loved being the shop keeper and working out how much money people owe me and how much change I need to give them." Dara, Year 4*

*"I loved looking at and trying to work out how much profit my class have made. I want us to make the most. I have used my knowledge of estimating to guess how much money in the shop." Ashviga, Year 5*

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

*"The children have been able to make decisions about their money and work out their change."*

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

*"The shop allowed the children to think about pricing of items to make a profit. We looked at splitting multipack items to make the best profits. It allowed the children to experience buying and selling and giving correct change which, they needed to do mentally. It has fostered an enjoyment towards maths from all of the children even those who normally do not like the subject."*



The shops across the school were highly competitive and as you can see, everyone enjoyed it. The winner of most money raised in KS1 was Year 2 with £141.53. The winner of the '£20 Shop Challenge' in KS2 was Henry with £254.82.

Overall, we raised an astounding £2350.77. during the week - thank you so much for your support!

thank  
you!

## Maths Volunteers

As part of Maths Week, we welcomed in volunteers. Each one spoke to the children about their jobs and how they use maths beyond the classroom. It was great to see how they had thought about how to communicate this to the children and we are all extremely grateful to them for sharing this with us.

Our first volunteer was Mr Andrew Carey. He is an accountant and spoke to our Year 3 children about his role. He explained how 'count' is in his job title, so this is a role where maths sits. Mr Carey explained all about being an accountant and the variety of elements of maths he uses in his role. The children really enjoyed listening to Mr Carey and had many questions to ask him at the end of the session.

"I liked how he had used a calculator to help him add. As an accountant he went to university and he was intelligent." Arthur, Year 3.

"I enjoyed learning about all of the different parts of his job and how his job had changed since he started working in the early 1990s." - Hayden Year 3.



Our second volunteer was Mr Mark Ward who spoke to our KS2 children during two assemblies. Mr Ward discussed his job as a Compliance Officer for an organisation that volunteers in schools, how he uses maths in his work and throughout his whole life. Mr Ward even explained how he has used it to travel to Danson. We were impressed with how much Maths he uses every day and the children managed to share plenty of their examples too.



Our third volunteer was Mr Paul Brazier who is a Managing Quantity Surveyor, he spoke to our Year 4 children. His role is to control the money on building sites by calculating the size of a property to know how many bricks are needed to build it. He explained that he has to work out the cost of every element of building a house or block of flats to know what the total cost will be. The children were fascinated by Mr Brazier's job and they asked lots of questions about the types of jobs he has completed. They couldn't believe that one project he is working on will take another 57 years to complete!

Our final volunteers spoke to our Year 5 and 6 children. Mr Clive Fathers spoke to the children about his role as a tax advisor. He explained the reasons for tax and why that is important. Mr Fathers then showed the children how to make money with a practical example and how this linked to profit. The children worked out how much tax they received from this profit. It was a great way to help the children understand something can be quite complicated.

The second part of the assembly was with Mrs Justine Zogaj who works in the Foreign Exchange. Mrs Zogaj explained the role of what a platform specialist is and how maths supports this. The children were interested in how a business can be available all the time as when one country is asleep, the other is awake. Mrs Zogaj then went on to talk about how the value of the Yen compared to the Pound and how this changed over time. Mrs Zogaj gave a practical element of buying a jumper and demonstrated how the money is exchanged from when you order an item, to it arriving at your door.



Maths Week was a huge success and we would like to say a massive thank you to all the volunteers who shared such amazing examples of how they use maths in their jobs and taking the time out of their busy schedules to meet with our children. You have greatly inspired our next generation of mathematicians!

Thank you to our Maths Team Miss Tuffley and Mr Ewen for helping to organise such a wonderful week and to the teachers for creating some wonderful learning tasks for the children to do throughout the week. We would also like to say thank you to the Danson School Community for providing items for the shop, buying and selling all the items and participating in the week.

Kind regards,

Miss Bennett  
Assistant Head Teacher/Maths Team

