



NUMERACY

Carrick Cluster Newsletter Oct 2019

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Welcome

Welcome to the first edition of the Carrick newsletter. Our aim is to keep you up-to-date with all the great Numeracy work that goes on in Carrick; introduce you to a variety of numerical strategies and promote positive math mindsets. Each edition will provide updates on the activities pupils have been involved in as well a termly competition.

New Numeracy Course

All S1 pupils now have an additional period within the math dept where they are focusing on improving their numeracy skills. The course will incorporate many practical activities and we will share these with you in each addition.

At Carrick we believe in:

- encouraging our pupils to ask as many questions as possible.
- promoting a multidimensional approach to finding solutions.

We not only encourage, but value different ways of working to find solutions to number challenges. There is a lot of positive research to indicate that many more pupils will be successful if we recognise that there are many more ways to be successful when working with numbers.

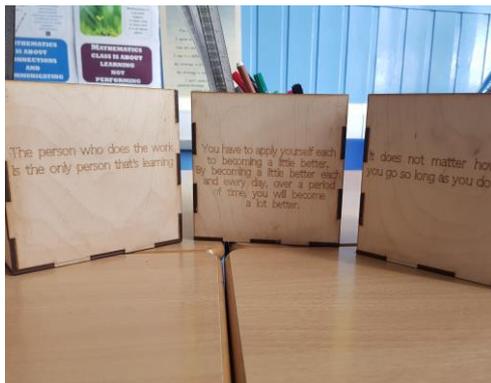
This term, the numeracy classes, have been working on problem solving. Each group were given a set of problems at various levels of difficulty. They were not told which questions were difficult or easy- they made the decisions themselves as to which ones to tackle. As you can see as a group, they were fully immersed in the task of selecting their questions, providing possible solutions and then pasting them onto poster paper to be displayed on the classroom wall.



Math Mindsets

Our aim is to enhance pupil Mathematical Mindsets. We provide practical strategies and activities to help, even those who are convinced that they are bad at math that they can enjoy and succeed in math!

We promote a growth mindset culture, encouraging drive, motivation, resilience and self-belief from our young people. Pupils with a growth mindset will make better progress than pupils with a fixed mindset.



Autumn Competition

If one and a half hens lay one and a half eggs in one and a half days, how many eggs does one hen lay in one day?



If you think you know the answer, e-mail in and let us know for a chance to win the monthly prize.

Carrick.mail@south-ayrshire.gov.uk

Numbertalks: Strategy of the term

Doubling & Halving

Question: Calculate 24×35

Strategy:

- Halve 24 to get 12, double 35 to get 70

So $24 \times 35 = 12 \times 70$

We have an equivalent calculation, but it is easier to solve mentally.

- We can double and halve again to get:

Halve 12 to get 6, double 70 to get 140

So $24 \times 35 = 12 \times 70 = 6 \times 140$

- We can continue to do this:

Halve 6 to get 3, double 140 to get 280

So $24 \times 35 = 12 \times 70 = 6 \times 140 = 3 \times 280$

Our pupils are encouraged to think about the many efficient ways to calculate solutions to problems. Each month we will share with you various strategies.

Contact us

If you would like to subscribe to this newsletter on a monthly basis with the chance to win prizes, then please

email: carrick.mail@south-ayrshire.gov.uk

If you have any interesting mathematics facts, or would be interested in sharing how numeracy is involved in your job, we would love to hear from you.

Twitter

You can follow us on twitter @MathsCarrick