



# SPOTLIGHT ON MATHS EDUCATION RADDLEBARN

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Hello and welcome to our latest maths curriculum newsletter,

In this issue you'll find important information about maths at Raddlebarn, including information on maths mastery and our involvement in the mastery readiness programme. You will read about growth mindset, Power Maths, our upcoming maths peer to peer review and more.

Thank you for taking the time to read it. If you have any questions feel free to get in touch. Miss Morris

## What is maths mastery?

Maths mastery is a teaching and learning approach that aims for pupils to develop deep understanding of maths rather than being able to memorise key procedures or resort to rote learning. The end goal and expectation is for all pupils (with very limited exceptions) to have acquired the fundamental facts and concepts of maths for their year or key stage such that by the end of it they have achieved mastery in the maths they have been taught. At this point they are ready to move confidently on to their next stage of maths. Mastery of a mathematical concept means a child can use their knowledge of the concept to solve unfamiliar word problems, and undertake complex reasoning, using the appropriate mathematical vocabulary.

## Mastery Readiness



This year we are participating in the Mastery Readiness programme (run by the Central Maths Hub). We are preparing to implement a teaching for mastery approach which is embedded and sustained across the whole school.

We are receiving support from Mastery Readiness Leads, and developing classroom culture and attitudes to maths that will support a teaching for mastery approach, both on the part of teachers and our pupils.

## Pupil Voice

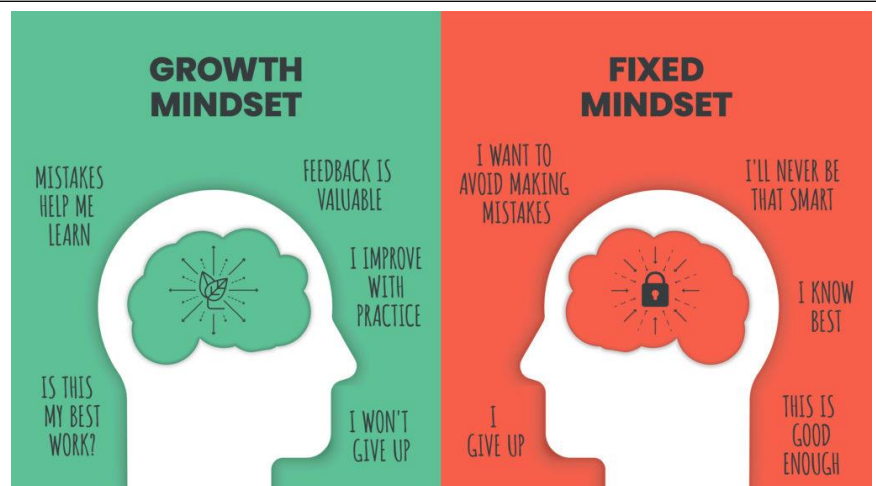
During the Autumn term I had the opportunity to talk to our children about maths. The children were positive and enthusiastic about their maths lessons.

I asked them what makes a great mathematician. We had a range of different answers from 'people who answer quickly', 'people who are clever' to 'people who think deeply about their answers and can explain how they've found it.'

As a school, we are continuing to work on our growth mindset!

## Growth Mindset

Simply put, a growth mindset is believing that your brain can grow and you can learn many new things. We know our intellect and abilities develop when we try difficult things, use the right strategies, and don't give up. So, a growth mindset is when we know, with practice, we will get better at something. You are not born smart; you become smart.





## Power Maths

You might have heard your child talking about Power Maths. During the Autumn Term we ordered textbooks, practice books and interactive teaching tools to support the teaching of maths.



### Why Power Maths?

- Power Maths is a UK curriculum mastery programme designed to spark curiosity and excitement and nurture confidence in maths.
- An enriched approach that cleverly combines interactive teaching tools, rich and quality textbooks and practice books.
- Built around a child-centred lesson design that models and embeds a growth mindset approach to maths and focuses on helping all children to build a deep understanding of maths concepts.

Teachers began implementing Power Maths at the start of the Spring term and we have already seen a shift in pupils' mindset. They are more willing to give things a go and don't necessarily rely on adult support. They use their Kagan partners and explain their reasoning clearly. There is a buzz in the classrooms when maths is being taught!

### Money Matters

As part of the curriculum, the children will be taking part in a Money Matters day conducted by HSBC bank. Each year group will have a special workshop tailored to their needs where they will learn about money, its value and the importance of saving in today's society. Just like last year, we hope to get another trophy for our cabinet!

This also runs parallel with an after-school club run by Mrs Gibson which the children in years 4 and 5 take part in every Tuesday. Here they learn about the importance of money, where money comes from and where it goes. They look at the importance of saving and the different ways we pay for things.

### TTRockstars day

On the 9<sup>th</sup> February we celebrated TTRockstars day. There were so many amazing Rockstar outfits. Thank you grown-ups for your help with these! Throughout the day the children participated in times tables battles. They battled the other class in their year group and earned points for each correct multiplication sum they completed on TTRockstars during the allotted time. Each year group also completed a maths activity/investigation linked to multiplication. Some year groups also read a maths story and then had a go at writing their own maths-based stories! The children were engrossed in their learning.



### Maths Peer to Peer Review

On Friday 1<sup>st</sup> March we will have our maths peer to peer review. The maths lead from Park Hill Primary will be joining me along with two consortium partners from Birmingham Education Partnership.

The maths review will highlight all the wonderful maths going on at Raddlebarn and give us areas to develop. It will be a brilliant opportunity to get a real insight into what is happening in the classrooms and how the implementation of Power Maths is going.