



# RADDLEBARN'S CURRICULUM NEWSLETTER

## Maths

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### Maths at Raddlebarn

The mathematics curriculum at Raddlebarn is rooted in a triple emphasis on fluency, reasoning and problem solving, through which we aim for all children to build a deep understanding of concepts so they can apply their skills fluently and flexibly in a variety of familiar and unfamiliar contexts. We aim to encourage and develop their security and confidence in the subject, which is a valuable skill for life-long learning.

To complement our school's mission statement: 'Success for all', we encourage children to see themselves as mathematicians and firmly believe everyone can find success through maths enquires, investigations and problem solving.

We are in the process of transitioning from 'Bright Pi' scheme of work to '**White Rose Maths Hub**'. This proved very successful during home learning and provides children with concrete, pictorial and abstract models and images. If you would like more information on White Rose, please visit their website

<https://whiterosemaths.com/who-we-are/about-white-rose-maths/>

Hello and welcome to the first newsletter all about Maths at Raddlebarn. In this issue you will find out the national curriculum aims, how maths is taught and some useful ways to support maths at home.

Thank you for taking the time to read and I hope you find this helpful. If you have any questions, please feel free to contact me!

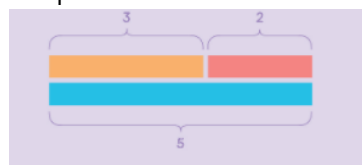
Mr Orgill

### How Maths is taught

Maths lessons are taught everyday and cover the three aims 'Fluency', 'Reasoning' and 'Problem-solving'. Children are able to learn methods and skills and then apply these to a selection of different problems to fully embed their learning. We focus heavily on '**Concrete**' resources where children can manipulate numbers and 'see' what they are doing. Once children are secure with this, they move onto representing these in '**Pictorial**' representations before moving onto '**Abstract**' forms and calculations.

For more information on the 'CPA' approach please visit this website, <https://www.emile-education.com/concrete-pictorial-abstract-cpa/>

We use '**Bar Modelling**' as our chosen problem-solving tool. Bar modelling is a strategy used by children to visualise mathematical concepts and solve problems. The bar model method is pictorial – children draw bars to represent objects or quantities.





### Times Tables Rockstar's (TTRS)

Times Tables are arguably one of the most important concepts that children need to master at primary school. By the end of Year 4, children are expected to know all of their time tables (up to  $12 \times 12$ ).

To encourage children to learn their times tables in a fun and interactive way, we use an online platform which is bespoke for each child (Year 2-6). It slowly teaches children their times tables with levels, rewards and points as they progress through. Ask your children about TT Rockstar's, or even better – get them to teach you how to use it!

<https://ttrockstars.com/>

This year, we celebrated TT Rockstars during home learning and in school! We had some fantastic outfits of children's rockstar avatars! It was fantastic to see so many children get involved with the 'TT Rockstar Battles' and challenging their friends! Please keep encouraging your child to use TT Rockstars and posting their scores! We can't wait to have another TT Rockstars Day next year and continue on the success! Watch this space for more information.



### 5 Ways to support maths at home

1. Use maths talk at home e.g. "If I doubled the number of chicken nuggets on your plate, how many would you have? "If I added all our chicken nuggets together, how many would we have?"
2. Memory games – can children memorise your mobile phone number?
3. Watch out for shapes! When in the car, walks or at home, try to spot different shapes!
4. Times Tables – PRACTICE, PRACTICE, PRACTICE – any time, anywhere!
5. Involve children in problem solving in the supermarket "How much would it cost...? How much would 3 items cost...? How much change would I get from £10 note?"

### Maths in action!

