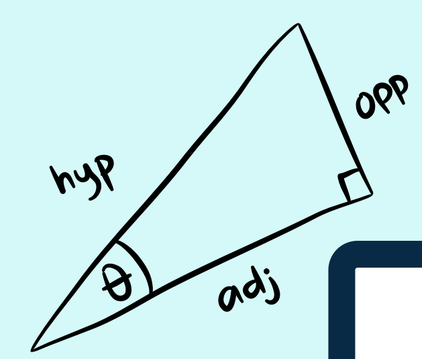
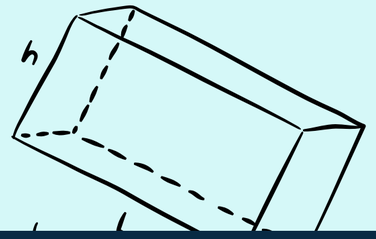
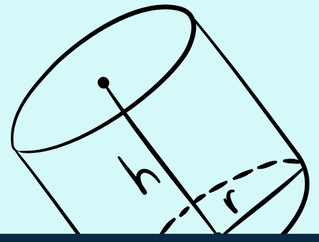
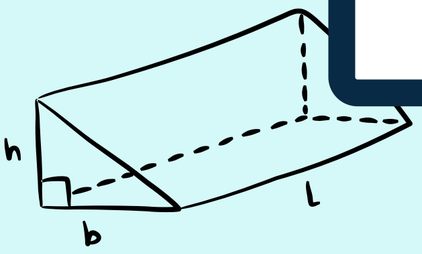
Maths at

Foxes Piece School









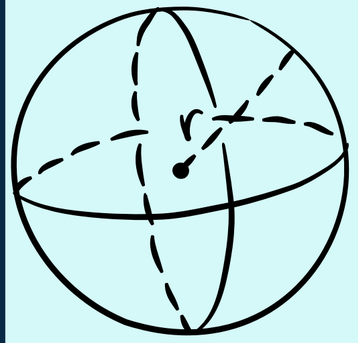
WORKSHOP INTENTION:

This session will give you the opportunity to understand what maths looks like around our school, we will cover areas including:

1. The importance of mathematics
2. Curriculum overview
3. Resources in school, resources parents can use at home
4. Tips for homework help
5. Encouraging a growth mindset
6. Communication

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$y = mx + b$$



$$V = \frac{4}{3}\pi r^3$$

Importance of learning mathematics:

Learning maths in primary school is really important for children for several reasons. Firstly, it helps them develop critical thinking and problem-solving skills that they will use throughout their lives. Maths teaches children how to analyse situations, make decisions based on information, and approach problems logically.

Secondly, a solid foundation in maths opens up many opportunities for future careers. Many fields, like engineering, finance, technology, and science, rely heavily on mathematical concepts. By encouraging your child to engage with maths now, you're helping them prepare for a wide range of job possibilities later on.

Finally, maths is something they will use in their everyday lives, whether it's budgeting for a toy, measuring ingredients for a recipe, or planning a fun family outing. Understanding maths helps children make informed choices and understand the world around them better.

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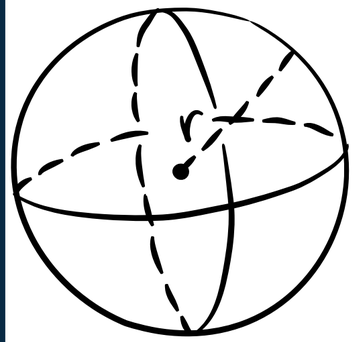

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WhiteRose Maths

As a school we have embedded the WhiteRose curriculum into our maths lessons. When choosing a scheme, our priority was to focus on what our students need and the development/ progress of their mathematical understanding.

The main reasons we use WhiteRose are:

Engaging content: The scheme includes engaging and interactive activities which motivates students and makes the learning more enjoyable.

Alignment and standards: WhiteRose follows the aims and objectives of the national curriculum, preparing them for assessments and challenges.

Adaptability: The scheme can easily be adapted to meet the needs of different learners; this allows our teachers to personalise the learning for our children.

Focus on mastery: The curriculum emphasises on mastering topics, allowing children to develop a deep and secure understanding of mathematical topics rather than on a surface level.

Progression: The curriculum offers clear and structured progression, allowing children to recall and build on their knowledge throughout each unit.

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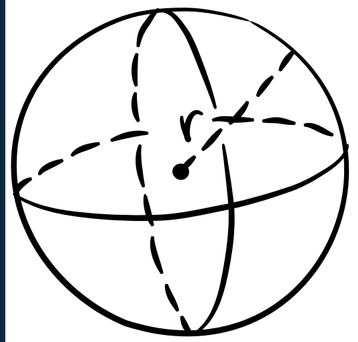

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Curriculum overview:

Every year group has a yearly overview of each unit that will be covered across the year.

We have set units in a particular order across the year to ensure children are taught using small steps. Prior units are referred upon regularly to ensure children have understood and remembered what they have learnt.

The layout across year groups are also consistent, allowing children to progress their learning not only within an academic year but throughout their time at Foxes Piece.

If you would like to see the curriculum overview for your child's year group, you can head to the Foxes Piece School website, where you will find a curriculum map of all subjects.

Yearly overview

The yearly overview provides suggested timings for each block of learning, which can be adapted to suit different term dates or other requirements.

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place value (within 10)					Number Addition and subtraction (within 10)					Geometry Shape	Consolidation
Spring	Number Place value (within 20)			Number Addition and subtraction (within 20)		Number Place value (within 50)			Measurement Length and height		Measurement Mass and volume	
Summer	Number Multiplication and division			Number Fractions	Geometry Position and direction	Number Place value (within 100)			Measurement Money	Measurement Time		Consolidation

Yearly overview

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	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place value		Number Addition, subtraction, multiplication and division					Number Fractions A		Number Fractions B		Measurement Converting units
Spring	Ratio		Algebra		Number Decimals		Number Fractions, decimals and percentages		Measurement Area, perimeter and volume		Statistics	
Summer	Geometry Shape				Geometry Position and direction	Themed projects, consolidation and problem solving						

Key Words:

Addition

- add
- altogether
- and
- both
- in all
- sum of
- total
- increase

Subtraction

- take away
- difference
- fewer
- gave away
- less
- how much more
- change
- decrease

Multiplication

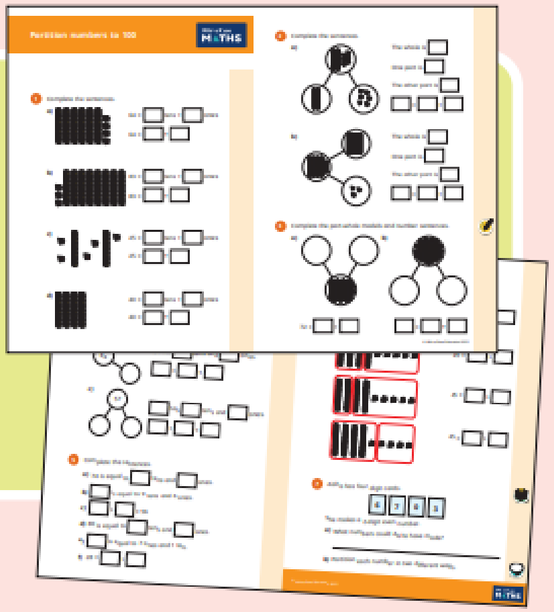
- multiply
- each
- twice
- product
- in all
- double

Division

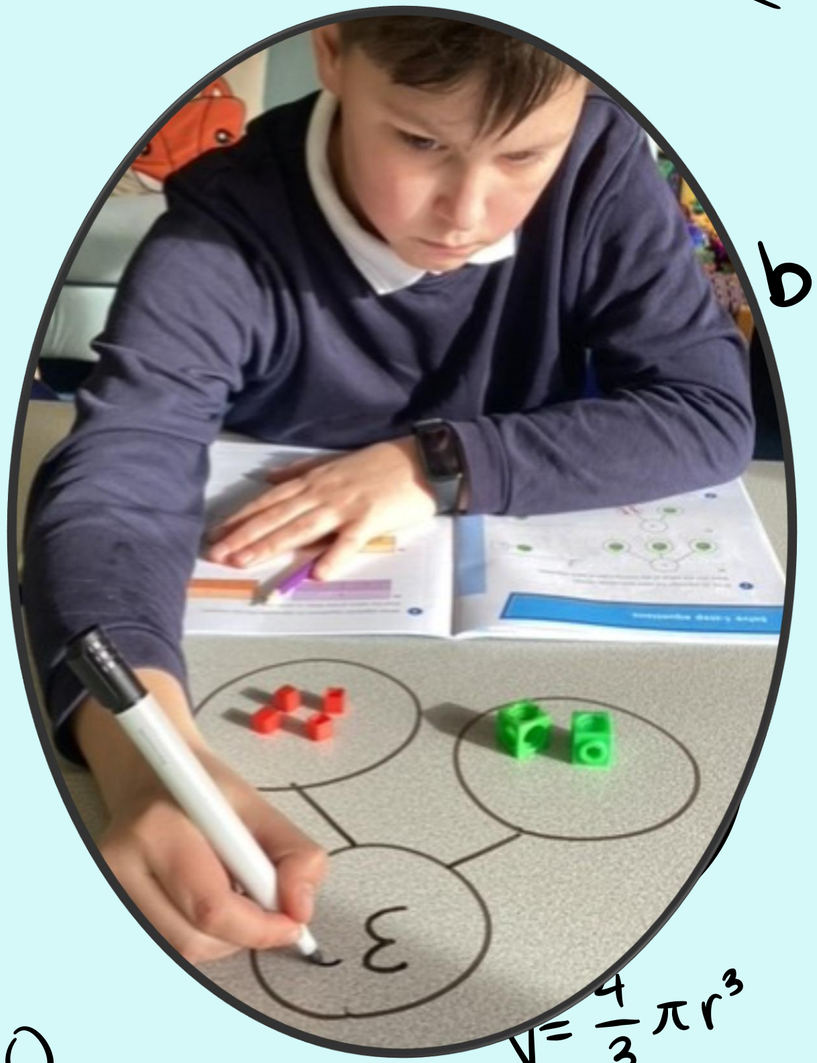
- divide
- each
- quotient
- share equally
- goes into

WhiteRose Workbooks

Worksheets to accompany every small step, providing relevant practice questions for each topic that will reinforce learning at every stage.



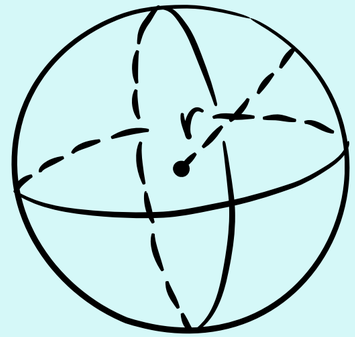
Also available as printed **workbooks**, per block.



Resources in school:

We are very fortunate to have a range of resources in school to aid our children with their learning. All our resources have a purpose, which allows children to have a hands-on experience when learning maths. Our pupils are usually shown how mathematical concepts work before moving onto sums or problem-solving questions. This also allows us to cater for different learning styles (visual learners) and encourages children to reason their answers. All classrooms are equipped with a mastery box which they can use at any time to help them work through problems.

If you are unsure about how to use any of these resources, on our school website, you can access a detailed document that explains how each manipulative works and where in maths you may use them.



Homework tips:

Children are usually set homework once a week, which includes English, maths and spellings; this is beneficial for them as it allows them to reinforce what they have learnt in school, prepares them for future learning and encourages them to take responsibility.

How can you support your child at home?

- Create a calm and quiet place for them to complete their homework, without any disruptions or distractions.
- Establish a consistent routine, set down a specific time each day/week for your child to complete their homework.
- Help your children by breaking down or reading questions to them, this will allow them to solve problems in smaller steps rather than tackling the whole problem at once.
- Stay positive and encourage your child by allowing them to attempt problems on their own before offering support.
- Contextualise the learning for your child, so they understand how this question might be used in real life.

- Remember – all children have access to doodlemaths, TTRS, **Maths.co.uk and Spag.com (Year 6 only)** these websites can all be accessed online.

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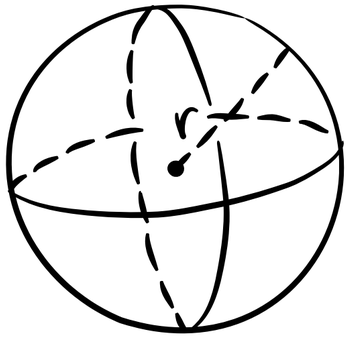
$$y = mx + b$$

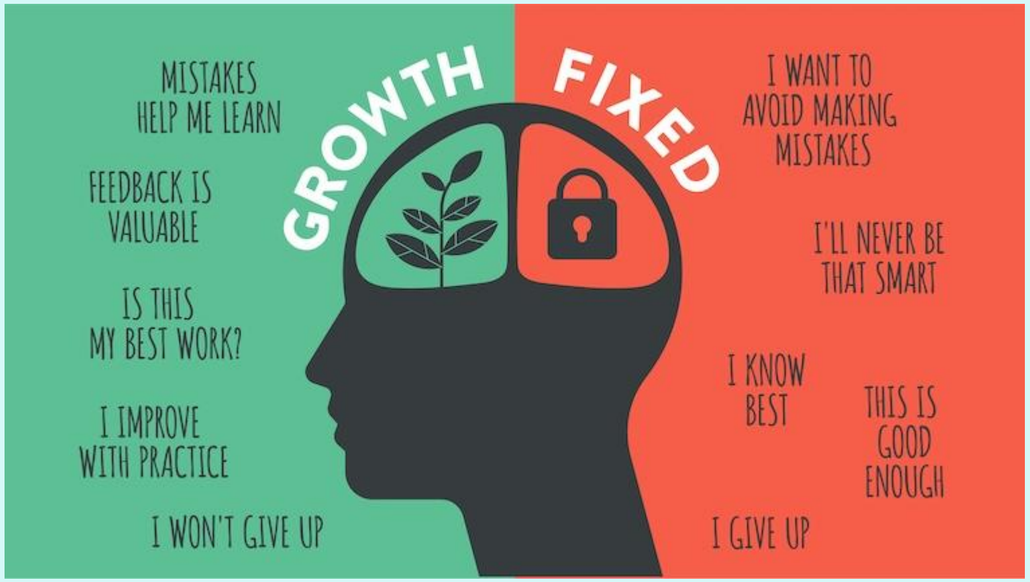


$$V = \frac{4}{3}\pi r^3$$

Encouraging a Growth Mindset:

Having a growth mindset starts from the home, children should be told about positive experiences when talking about maths as this will then promote a positive attitude within them. Having a growth mindset is important for several reasons, we want to encourage our children to stay resilient while learning, they should be able to bounce back from set-backs and view challenges as opportunities to grow rather than obstacles. When individuals believe they will do well, they tend to put in more effort, which leads to achieving better.

Remind your child about the power of the word YET, encourage them to take risks so they can tackle problems without the fear of failure and help them set realistic goals celebrating the progress along the way.



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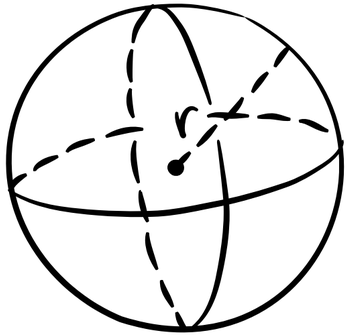

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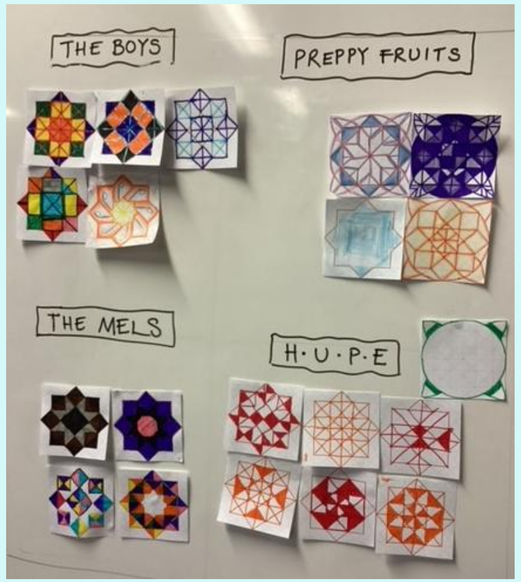
ENRICHMENT IN MATHS:

It is essential for children to see what maths looks like in real-world contexts, as this connection will allow them to understand its relevance and application beyond the classroom. When children encounter mathematical concepts in everyday situations—such as budgeting to buy a treat, measuring ingredients for cooking, or calculating travel time — they begin to appreciate mathematics as a practical tool rather than sums in a workbook

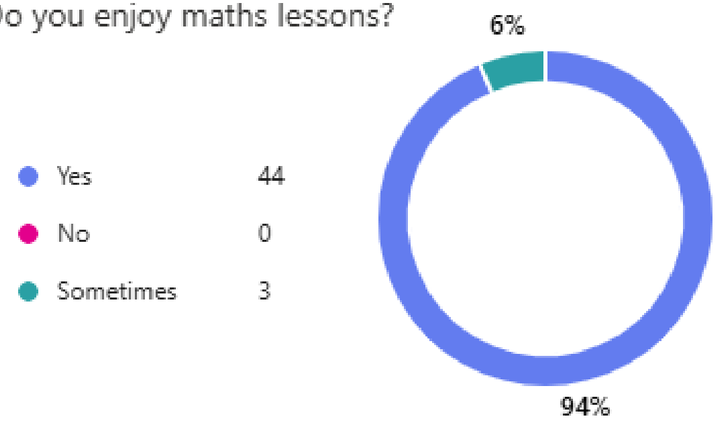
We are very fortunate, that we can provide our children with enriched opportunities, including maths days, workshops, and interactive experiences, as these can significantly enhance children's understanding. These activities provide children with hands-on experiences that allow them to explore mathematical scenarios in engaging and meaningful ways. For example, through games, projects, and real-life problem-solving challenges, children can witness how mathematics is integrated into various fields, from art and music to science and technology.

This year we have already had a 'Mad Maths Day', a measuring trail around Marlow and a geometry art workshop!

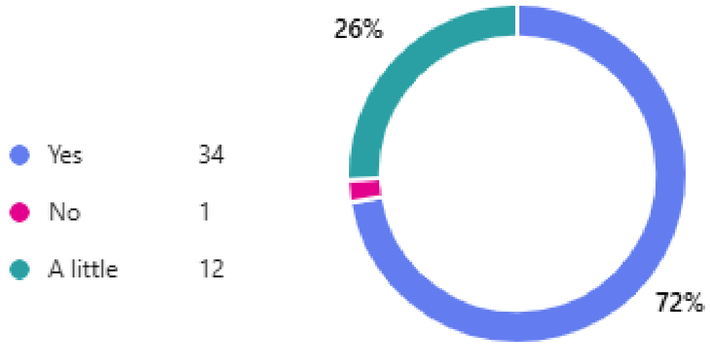


WHAT OUR SCHOOL SURVEY SHOWS:

3. Do you enjoy maths lessons?

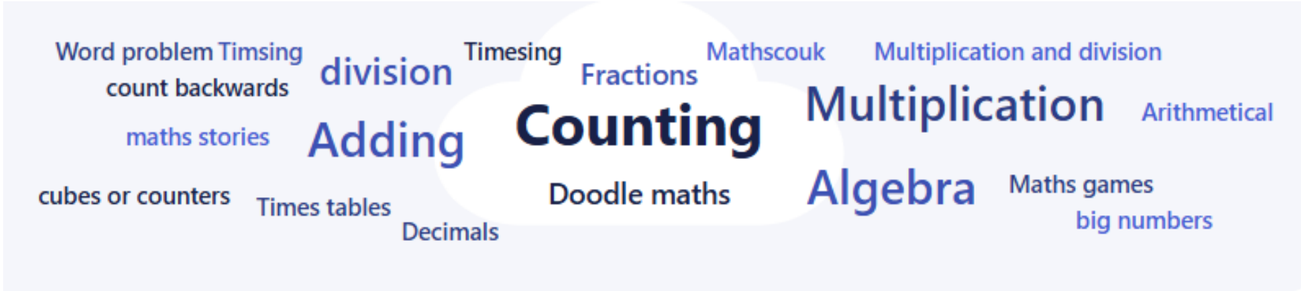


7. Do you think you have improved in your maths this year?



A recent survey collected responses from randomly selected pupils across all year groups, this gave children the chance to share their thoughts and experiences about maths at Foxes Piece School. After completing the survey independently, we can see 94% of our children enjoy learning maths at school. 72% of our children also feel like they have improved in their maths since they have started this academic year, which shows us our pupils are able to reflect on their learning and are able to see the progress they have made within lessons.

When asked what children have enjoyed learning about the most, this academic year, these are some of the responses they shared …



COMMUNICATION:

Lastly, please do not hesitate to contact Miss Saeed or your child's class teacher

when you have a question regarding maths – we are always happy to help!